BRUHAT BANGALORE MAHANAGARA PALIKE

Name of Work: Improvements to roads, drains and other developmental works in Ward No- 01 &02. Under SWM head in Chief Minister Nava Nagarothana grants of Yelahanka division.(Package -07)

Measurement Sheet

First and Part Bill

Item No: **1**

KSRRB M300-14. **Excavation for roadwork** in all types of soil by mechanical means including cutting and loading to tippers, trimming bottom and side slopes, in accordance with requirements of lines, grades and cross sections, and transportation with a lead of 1.00 km and complete as per specifications. MORTH Specification No.301 Page No.143. Item No.19.14

Premeasurement recorded on: 09-06-20, 15-06-20

SLNO	CHAINAGE Land Mark		NO	L (m)	B (m)	B1 (m)	Avg B (m)	D (m)	QTY	REMARKS
	Komaladevi Enclave 1st cross road									
	0.00	30.00	1	30.00	6.80	6.80	6.80	0.30	61.20	
	30.00	60.00	1	30.00	6.80	6.30	6.55	0.30	58.95	
	60.00	90.00	1	30.00	6.30	6.70	6.50	0.30	58.50	
	90.00	120.00	1	30.00	6.70	6.60	6.65	0.30	59.85	
	120.00	150.00	1	30.00	6.60	6.45	6.53	0.30	58.75	
	150.00	180.00	1	30.00	6.45	6.70	6.58	0.30	59.18	
	180.00	210.00	1	30.00	6.70	6.70	6.70	0.30	60.30	
	210.00	240.00	1	30.00	6.70	6.70	6.70	0.30	60.30	
	240.00	262.20	1	22.20	6.70	6.70	6.70	0.30	44.62	
	Komaladevi Enclave 2nd cross road									
	0.00	30.00	1	30.00	6.50	6.50	6.50	0.30	58.50	
	30.00	60.00	1	30.00	6.50	6.50	6.50	0.30	58.50	
	60.00	90.00	1	30.00	6.50	6.45	6.48	0.30	58.28	
	90.00	120.00	1	30.00	6.45	6.70	6.58	0.30	59.18	
	120.00	150.00	1	30.00	6.70	6.70	6.70	0.30	60.30	
	150.00	180.00	1	30.00	6.70	6.55	6.63	0.30	59.63	
	180.00	210.00	1	30.00	6.55	6.80	6.68	0.30	60.08	
	210.00	240.00	1	30.00	6.80	6.80	6.80	0.30	61.20	
	240.00	250.20	1	10.20	6.80	6.60	6.70	0.30	20.50	

Measurement checked and found correct 15/06/2020

Rugby

SLNO	CHAINAGE Land Mark		NO	L (m)	B (m)	BI (m)	Avg B (m)	D (m)	QTY	REMARKS
	1st Cross Road From Main Road GKVK Layout									
	0.00	30.00	1	30.00	6.80	6.80	6.80	0.30	61.20	
	30.00	60.00	1	30.00	6.80	6.80	6.80	0.30	61.20	
	60.00	90.00	1	30.00	6.80	6.80	6.80	0.30	61.20	
	90.00	103.00	1	13.00	6.80	6.80	6.80	0.30	26.52	
	1st A Cross Road From Main Road GKVK Layout								0.00	
	0.00	25.00	1	25.00	6.80	6.80	6.80	0.30	51.00	
	2nd Cross Road From Main Road GKVK Layout								0.00	
	0.00	30.00	1	30.00	6.00	6.70	6.35	0.30	57.15	
	30.00	60.00	1	30.00	6.70	5.80	6.25	0.30	56.25	
	60.00	90.00	1	30.00	5.80	7.10	6.45	0.30	58.08	
	90.00	103.00	1	13.00	7.10	7.10	7.10	0.30	27.69	
	2nd A Cross Road From Main Road GKVK Layout								0.00	
	0.00	29.60	1	29.60	7.00	7.20	7.10	0.30	63.05	
	3rd Cross Road From Main Road GKVK Layout								0.00	
	0.00	30.00	1	30.00	9.70	10.10	9.90	0.30	89.10	
	30.00	60.00	1	30.00	10.10	9.80	9.95	0.30	89.55	
	60.00	90.00	1	30.00	9.80	9.90	9.85	0.30	88.65	
	90.00	101.30	1	11.30	9.90	9.90	9.90	0.30	33.56	
	Aravind Appartment Road GKVK Layout								0.00	
	0.00	30.00	1	30.00	1.80	1.80	1.80	0.30	16.20	
	30.00	60.00	1	30.00	1.80	1.80	1.80	0.30	16.20	
	60.00	90.00	1	30.00	1.80	1.80	1.80	0.30	16.20	
	90.00	120.00	1	30.00	1.80	1.80	1.80	0.30	16.20	
	120.00	150.00	1	30.00	1.80	1.80	1.80	0.30	16.20	
	150.00	180.00	1	30.00	1.80	1.80	1.80	0.30	16.20	
	180.00	183.70	1	3.70	1.80	1.80	1.80	0.30	2.00	
	1st Main Road From 1st Cross Road (Lake view lyt)									

Measurements Checked and found Correct on 13/08/2020

Ruyal

SLNO	CHAINAGE Land Mark		NO	L (m)	B (m)	B1 (m)	Avg B (m)	D (m)	QTY	REMARKS
	0.00	30.00	1	30.00	5.00	5.00	5.00	0.30	45.00	
	30.00	60.00	1	30.00	5.00	5.00	5.00	0.30	45.00	
	60.00	90.00	1	30.00	5.00	4.80	4.90	0.30	44.10	
	90.00	120.00	1	30.00	4.80	4.90	4.85	0.30	43.65	
	120.00	135.30	1	15.30	4.90	4.90	4.90	0.30	22.49	
	2nd Cross Road From 1st Main Road (Lake view lyt)									
	0.00	30.00	1	30.00	5.30	5.00	5.15	0.30	46.35	
	30.00	60.00	1	30.00	5.00	4.80	4.90	0.30	44.10	
	60.00	90.00	1	30.00	4.80	4.90	4.85	0.30	43.65	
	90.00	120.00	1	30.00	4.90	4.30	4.60	0.30	41.40	
	120.00	135.00	1	15.00	4.30	4.60	4.45	0.30	20.03	
	2nd Main Road From 1st Cross Road (Lake view lyt)									
	0.00	30.00	1	30.00	6.20	6.20	6.20	0.30	55.80	
	30.00	60.00	1	30.00	6.20	6.50	6.35	0.30	57.15	
	60.00	90.00	1	30.00	6.50	6.50	6.50	0.30	58.50	
	90.00	120.00	1	30.00	6.50	6.50	6.50	0.30	58.50	
	120.00	137.60	1	17.60	6.50	6.70	6.60	0.30	34.85	
	137.60	167.60	1	30.00	6.70	6.60	6.65	0.30	59.85	
	167.60	197.60	1	30.00	6.60	6.80	6.70	0.30	60.30	
	197.60	227.60	1	30.00	6.80	6.90	6.85	0.30	61.65	
	227.60	257.60	1	30.00	6.90	6.90	6.90	0.30	62.10	
	257.60	287.60	1	30.00	6.90	6.90	6.90	0.30	62.10	
	287.60	317.60	1	30.00	6.90	7.10	7.00	0.30	63.00	
	317.60	347.60	1	30.00	7.10	7.00	7.05	0.30	63.45	
	347.60	377.60	1	30.00	7.00	6.80	6.90	0.30	62.10	
	377.60	407.60	1	30.00	6.80	7.00	6.90	0.30	62.10	
	4th Main Road From 3rd Cross Road (Lake view lyt)									
	0.00	30.00	1	30.00	6.80	6.50	6.65	0.30	59.85	

Measurements checked and found correct on 13/6/2025

Rupesh

SLNO	CHAINAGE		NO	L	B	B1	Avg B	D	QTY	REMARKS
	Land Mark			(m)	(m)	(m)	(m)	(m)		
	30.00	60.00	1	30.00	6.50	6.80	6.65	0.30	59.85	
	60.00	90.00	1	30.00	6.80	5.10	5.95	0.30	53.55	
	90.00	120.00	1	30.00	5.10	6.10	5.60	0.30	50.40	
	120.00	121.50	1	1.50	6.10	6.10	6.10	0.30	2.75	
	3rd Cross Road From Lake side (Lake view lyt)									
	0.00	30.00	1	30.00	6.50	5.60	6.05	0.30	54.45	
	30.00	60.00	1	30.00	5.60	5.20	5.40	0.30	48.60	
	60.00	90.00	1	30.00	5.20	5.10	5.15	0.30	46.35	
	90.00	120.00	1	30.00	5.10	5.40	5.25	0.30	47.25	
	120.00	150.00	1	30.00	5.40	5.20	5.30	0.30	47.70	
	150.00	164.50	1	14.50	5.20	5.40	5.30	0.30	23.06	
	5th Cross Road From 2nd Main Road (Lake view lyt)									
	0.00	30.00	1	30.00	5.60	5.80	5.70	0.30	51.30	
	30.00	60.00	1	30.00	5.80	4.80	5.30	0.30	47.70	
	60.00	83.00	1	23.00	4.80	5.00	4.90	0.30	33.81	
	6th Cross Road From 2nd Main Road (Lake view lyt)								0.00	
	0.00	30.00	1	30.00	5.40	5.50	5.45	0.30	49.05	
	30.00	60.00	1	30.00	5.50	5.50	5.50	0.30	49.50	
	60.00	90.00	1	30.00	5.50	5.50	5.50	0.30	49.50	
	Govt Hospital Road Near Bus stand									
	0.00	21.00	1	21.00	6.40	5.60	6.00	0.30	37.80	
	0.00	26.00	1	26.00	5.50	5.50	5.50	0.30	42.90	
	Govt Hospital Road LHS Drain side								0.00	
	0.00	30.00	1	30.00	0.60	0.60	0.60	0.30	5.40	
	30.00	59.50	1	29.50	0.60	0.60	0.60	0.30	5.31	
	59.50	63.50	1	4.00	0.60	0.60	0.60	0.30	0.72	
	63.50	79.60	1	16.10	0.60	0.60	0.60	0.30	2.90	
	79.60	82.60	1	3.00	0.60	0.60	0.60	0.30	0.54	

Measurements Checked and found Correct on 13/06/2020

SLNO	CHAINAGE Land Mark		NO	L (m)	B (m)	B1 (m)	Avg B (m)	D (m)	QTY	REMARKS
	82.60	107.60	1	25.00	0.60	0.60	0.60	0.30	4.50	
	107.60	128.70	1	21.10	0.60	0.60	0.60	0.30	3.80	
	128.70	154.80	1	26.10	0.60	0.60	0.60	0.30	4.70	
	Govt Hospital Road Tree Cut Portion									
			1	2.50	1.50			0.30	1.13	
			1	1.50	4.00			0.30	1.80	
			1	5.00	2.50			0.30	3.75	
			1	4.50	6.00			0.30	8.10	
			1	4.00	6.00			0.30	7.20	
			1	4.00	4.50			0.30	5.40	
			1	23.50	4.00			0.30	28.20	
			1	4.00	4.00			0.30	4.80	
								Total Qty Work Done	4101.95	Cum
								Qty Payable in this bill	4101.95	Cum

Measurement checked and found correct on 13/11/2020

Rly qty :-

Contractor Representative

Asst Engineer

Consultant Representative

Asst.Executive Engineer

BRUHAT BANGALORE MAHANAGARA PALIKE

Name of Work: Improvements to roads, drains and other developmental works in Ward No- 01 &02. Under SWM head in Chief Minister Nava Nagarothana grants of Yelahanka division.(Package -07)

Measurement Sheet

First and Part Bill

Item No:	2
Item Name:	KSRB 2-2.1 : **Earthwork excavation by manual means** for foundation of buildings, culverts, water supply and sanitary lines and electrical conduits etc, either in pits or in trenches 1.5m and above in width, in ordinary soil not exceeding 1.5 m. in depth including dressing the bottom and sides of pits and trenches, stacking the excavated soil clear from edges of excavation with lead upto 50 m. including breaking of clods complete as per specifications. No. KBS 2.1 (a) I 2.3.5 page no 6

Premeasurement recorded on: 01-06-20, 13-06-20

SLNO	CHAINAGE Land Mark		NO	L (m)	B (m)	BI (m)	Avg B (m)	D (m)	QTY	REMARKS
	Komaladevi Enclave 1st cross road LHS									
	0.00	30.00	1	30.00	1.00	1.00	1.00	1.00	30.00	
	30.00	34.90	1	4.90	1.00	1.00	1.00	1.00	4.90	
	34.90	59.40	1	24.50	1.00	1.00	1.00	1.00	24.50	
	59.40	85.10	1	25.70	1.00	1.00	1.00	1.00	25.70	
	85.10	89.40	1	4.30	1.00	1.00	1.00	1.00	4.30	
	89.40	109.40	1	20.00	1.00	1.00	1.00	1.00	20.00	
	109.40	119.40	1	10.00	1.00	1.00	1.00	1.00	10.00	
	119.40	139.90	1	20.50	1.00	1.00	1.00	1.00	20.50	
	139.90	151.60	1	11.70	1.00	1.00	1.00	1.00	11.70	
	151.60	163.60	1	12.00	1.00	1.00	1.00	1.00	12.00	
	163.60	193.60	1	30.00	1.00	1.00	1.00	1.00	30.00	
	193.60	223.60	1	30.00	1.00	1.00	1.00	1.00	30.00	
	223.60	239.30	1	15.70	1.00	1.00	1.00	1.00	15.70	
	239.30	241.30	1	2.00	1.00	1.00	1.00	1.00	2.00	
	Komaladevi Enclave 1st cross road RHS									
	0.00	8.80	1	8.80	1.00	1.00	1.00	1.00	8.80	
	8.80	38.80	1	30.00	1.00	1.00	1.00	1.00	30.00	
	38.80	53.80	1	15.00	1.00	1.00	1.00	1.00	15.00	
	53.80	63.50	1	9.70	1.00	1.00	1.00	1.00	9.70	
	63.50	68.80	1	5.30	1.00	1.00	1.00	1.00	5.30	
	68.80	87.60	1	18.80	1.00	1.00	1.00	1.00	18.80	
	87.60	117.60	1	30.00	1.00	1.00	1.00	1.00	30.00	
	117.60	147.60	1	30.00	1.00	1.00	1.00	1.00	30.00	

Measurements checked and found correct on 13/06/2020

Legally

SLNO	CHAINAGE		NO	L	B	B1	Avg B	D	QTY	REMARKS
	Land Mark			(m)	(m)	(m)	(m)	(m)		
	147.60	177.60	1	30.00	1.00	1.00	1.00	1.00	30.00	
	177.60	207.60	1	30.00	1.00	1.00	1.00	1.00	30.00	
	207.60	237.60	1	30.00	1.00	1.00	1.00	1.00	30.00	
	237.60	262.20	1	24.60	1.00	1.00	1.00	1.00	24.60	
	Komaladevi Enclave 2nd cross road LHS									
	0.00	30.00	1	30.00	1.00	1.00	1.00	1.00	30.00	
	30.00	60.00	1	30.00	1.00	1.00	1.00	1.00	30.00	
	60.00	90.00	1	30.00	1.00	1.00	1.00	1.00	30.00	
	90.00	120.00	1	30.00	1.00	1.00	1.00	1.00	30.00	
	120.00	128.50	1	8.50	1.00	1.00	1.00	1.00	8.50	
	128.50	158.50	1	30.00	1.00	1.00	1.00	1.00	30.00	
	158.50	188.50	1	30.00	1.00	1.00	1.00	1.00	30.00	
	188.50	218.50	1	30.00	1.00	1.00	1.00	1.00	30.00	
	218.50	222.10	1	3.60	1.00	1.00	1.00	1.00	3.60	
	222.10	233.80	1	11.70	1.00	1.00	1.00	1.00	11.70	
	233.80	249.80	1	16.00	1.00	1.00	1.00	1.00	16.00	
	Komaladevi Enclave 2nd cross road RHS									
	0.00	30.00	1	30.00	1.00	1.00	1.00	1.00	30.00	
	30.00	60.00	1	30.00	1.00	1.00	1.00	1.00	30.00	
	60.00	90.00	1	30.00	1.00	1.00	1.00	1.00	30.00	
	90.00	120.00	1	30.00	1.00	1.00	1.00	1.00	30.00	
	120.00	150.00	1	30.00	1.00	1.00	1.00	1.00	30.00	
	150.00	180.00	1	30.00	1.00	1.00	1.00	1.00	30.00	
	180.00	210.00	1	30.00	1.00	1.00	1.00	1.00	30.00	
	210.00	240.00	1	30.00	1.00	1.00	1.00	1.00	30.00	
	240.00	248.00	1	8.00	1.00	1.00	1.00	1.00	8.00	
	Udayanagar Main road New Culverts									
			1	4.00	1.20	1.20	1.20	0.90	4.32	
			1	4.00	1.20	1.20	1.20	0.90	4.32	
			1	4.00	1.20	1.20	1.20	0.90	4.32	
			1	4.00	1.20	1.20	1.20	0.90	4.32	
			1	8.00	1.20	1.20	1.20	0.90	8.64	

Measurements found Checked and Correct on

SLNO	CHAINAGE		NO	L	B	BI	Avg B	D	QTY	REMARKS
	Land Mark			(m)	(m)	(m)	(m)	(m)		
	Desilting Drain Udayanagar Cross road 1 RHS									
	0.00	25.50	1	25.50	0.55	0.55	0.55	0.60	8.42	
	Desilting Drain Udayanagar Cross road 5 LHS									
	0.00	26.00	1	26.00	0.60	0.60	0.60	0.60	9.36	
	Desilting Drain Udayanagar Cross road 6 RHS									
	0.00	30.00	1	30.00	0.60	0.60	0.60	0.60	10.80	
	30.00	37.00	1	7.00	0.60	0.60	0.60	0.60	2.52	
	Desilting Drain Udayanagar Cross road 7 LHS									
	0.00	30.00	1	30.00	0.60	0.60	0.60	0.60	10.80	
	30.00	36.50	1	6.50	0.60	0.60	0.60	0.60	2.34	
	Desilting Drain Udayanagar Cross road 8 LHS									
	0.00	30.00	1	30.00	0.60	0.60	0.60	0.60	10.80	
	30.00	36.50	1	6.50	0.60	0.60	0.60	0.60	2.34	
	Desilting Drain Udayanagar Cross road 9 RHS									
	0.00	30.00	1	30.00	0.60	0.60	0.60	0.60	10.80	
	30.00	35.00	1	5.00	0.60	0.60	0.60	0.60	1.80	
	Desilting Drain Udayanagar Cross road 10 RHS									
	0.00	30.00	1	30.00	0.60	0.60	0.60	0.60	10.80	
	30.00	35.00	1	5.00	0.60	0.60	0.60	0.60	1.80	
	Desilting Drain Udayanagar Main Road RHS									
	0.00	28.50	1	28.50	0.60	0.60	0.60	0.60	10.26	
	28.50	45.20	1	16.70	0.60	0.60	0.60	0.60	6.01	
	45.20	57.20	1	12.00	0.60	0.60	0.60	0.60	4.32	
	57.20	69.70	1	12.50	0.60	0.60	0.60	0.60	4.50	
	69.70	94.10	1	24.40	0.60	0.60	0.60	0.60	8.78	
	GKVK Layout 1st cross road LHS									
	0.00	27.80	1	27.80	1.00	1.00	1.00	0.90	25.02	
	27.80	36.10	1	8.30	1.00	1.00	1.00	0.90	7.47	
	36.10	66.10	1	30.00	1.00	1.00	1.00	0.90	27.00	
	66.10	96.10	1	30.00	1.00	1.00	1.00	0.90	27.00	
	96.10	101.20	1	5.10	1.00	1.00	1.00	0.90	4.59	
	GKVK Layout 1st cross road RHS									
	0.00	30.00	1	30.00	1.00	1.00	1.00	0.90	27.00	
	30.00	60.00	1	30.00	1.00	1.00	1.00	0.90	27.00	

Measurement checked and found correct on 13/08/2020
Engly

SLNO	CHAINAGE		NO	L	B	BI	Avg B	D	QTY	REMARKS
	Land Mark			(m)	(m)	(m)	(m)	(m)		
	60.00	90.00	1	30.00	1.00	1.00	1.00	0.90	27.00	
	90.00	102.50	1	12.50	1.00	1.00	1.00	0.90	11.25	
	GKVK Layout 1st A cross road LHS									
	0.00	27.50	1	27.50	1.00	1.00	1.00	0.90	24.75	
	GKVK Layout 1st A cross road RHS									
	0.00	27.50	1	27.50	1.00	1.00	1.00	0.90	24.75	
	GKVK Layout 2nd cross road LHS									
	0.00	30.00	1	30.00	1.00	1.00	1.00	0.90	27.00	
	30.00	60.00	1	30.00	1.00	1.00	1.00	0.90	27.00	
	60.00	90.00	1	30.00	1.00	1.00	1.00	0.90	27.00	
	90.00	100.30	1	10.30	1.00	1.00	1.00	0.90	9.27	
	GKVK Layout 2nd cross road RHS									
	0.00	18.40	1	18.40	1.00	1.00	1.00	0.90	16.56	
	18.40	48.40	1	30.00	1.00	1.00	1.00	0.90	27.00	
	48.40	54.70	1	6.30	1.00	1.00	1.00	0.90	5.67	
	54.70	63.70	1	9.00	1.00	1.00	1.00	0.90	8.10	
	63.70	93.70	1	30.00	1.00	1.00	1.00	0.90	27.00	
	93.70	100.40	1	6.70	1.00	1.00	1.00	0.90	6.03	
	GKVK Layout 2nd A cross road LHS									
	0.00	9.20	1	9.20	1.00	1.00	1.00	0.90	8.28	
	9.20	18.40	1	9.20	1.00	1.00	1.00	0.90	8.28	
	18.40	29.60	1	11.20	1.00	1.00	1.00	0.90	10.08	
	GKVK Layout 2nd A cross road RHS									
	0.00	30.20	1	30.20	1.00	1.00	1.00	0.90	27.18	
	GKVK Layout 3rd cross road RHS									
	0.00	8.60	1	8.60	1.00	1.00	1.00	0.90	7.74	
	8.60	38.60	1	30.00	1.00	1.00	1.00	0.90	27.00	
	38.60	68.60	1	30.00	1.00	1.00	1.00	0.90	27.00	
	68.60	97.60	1	29.00	1.00	1.00	1.00	0.90	26.10	
	97.65	100.45	1	2.80	1.00	1.00	1.00	0.90	2.52	
	3rd cross road LHS GKVK Layout									
	0.00	26.20	1	26.20	1.00	1.00	1.00	0.90	23.58	
	26.20	56.20	1	30.00	1.00	1.00	1.00	0.90	27.00	
	56.20	86.20	1	30.00	1.00	1.00	1.00	0.90	27.00	

Measurements taken & checked and found correct on 13/05/2020 by Gayathri

SLNO	CHAINAGE		NO	L	B	B1	Avg B	D	QTY	REMARKS
	Land Mark			(m)	(m)	(m)	(m)	(m)		
	86.20	89.20	1	3.00	1.00	1.00	1.00	0.90	2.70	
	Aravind appartrment Road LHS GKVK Layout									
	0.00	30.00	1	30.00	1.00	1.00	1.00	0.90	27.00	
	30.00	60.00	1	30.00	1.00	1.00	1.00	0.90	27.00	
	60.00	90.00	1	30.00	1.00	1.00	1.00	0.90	27.00	
	90.00	110.20	1	20.20	1.00	1.00	1.00	0.90	18.18	
	110.20	140.20	1	30.00	1.00	1.00	1.00	0.90	27.00	
	140.20	170.20	1	30.00	1.00	1.00	1.00	0.90	27.00	
	170.20	171.40	1	1.20	1.00	1.00	1.00	0.90	1.08	
	171.40	177.90	1	6.50	1.00	1.00	1.00	0.90	5.85	
	Aravind appartrment Road RHS GKVK Layout									
	0.00	30.00	1	30.00	1.00	1.00	1.00	0.90	27.00	
	30.00	55.10	1	25.10	1.00	1.00	1.00	0.90	22.59	
	55.10	61.90	1	6.80					0.00	Culvert
	61.90	75.40	1	13.50	1.00	1.00	1.00	0.90	12.15	
	75.40	109.40	1	34.00	1.00	1.00	1.00	0.90	30.60	
	109.40	123.00	1	13.60	1.00	1.00	1.00	0.90	12.24	
	123.00	130.00	1	7.00					0.00	Culvert
	130.00	157.00	1	27.00	1.00	1.00	1.00	0.90	24.30	
	157.00	164.00	1	7.00					0.00	culvert
	164.00	176.40	1	12.40	1.00	1.00	1.00	0.90	11.16	
	176.40	181.40	1	5.00	1.00	1.00	1.00	0.90	4.50	
	GKVK Layout New Culverts 1st cross Road LHS									
	0.00	7.50	1	7.50	1.65	1.65	1.65	0.90	11.14	
	GKVK Layout New Culverts 1st cross Road RHS									
	0.00	7.50	1	7.50	1.65	1.65	1.65	0.90	11.14	
	GKVK Layout New Culverts 2nd cross Road LHS									
	0.00	7.70	1	7.70	1.65	1.65	1.65	0.90	11.43	
	GKVK Layout New Culverts 2nd cross Road RHS									
	0.00	7.70	1	7.70	1.65	1.65	1.65	0.90	11.43	
	GKVK Layout New Culverts 3rd cross Road RHS									
	0.00	10.70	1	10.70	1.65	1.65	1.65	0.90	15.89	
	GKVK Layout New Culverts Main Road									
	0.00	15.70	1	15.70	1.65	1.65	1.65	1.40	36.27	

Measurements checked and found correct on 13/06/2020

Regards

SLNO	CHAINAGE		NO	L	B	B1	Avg B	D	QTY	REMARKS
	Land Mark			(m)	(m)	(m)	(m)	(m)		
	Lake View 1st Main Road From 1st cross road RHS									
	0.00	30.00	1	30.00	1.00	1.00	1.00	1.00	30.00	
	30.00	60.00	1	30.00	1.00	1.00	1.00	1.00	30.00	
	60.00	90.00	1	30.00	1.00	1.00	1.00	1.00	30.00	
	90.00	120.00	1	30.00	1.00	1.00	1.00	1.00	30.00	
	120.00	135.30	1	15.30	1.00	1.00	1.00	1.00	15.30	
	Lake View 1st Main Road From 1st cross road LHS									
	0.00	30.00	1	30.00	1.00	1.00	1.00	1.00	30.00	
	30.00	48.20	1	18.20	1.00	1.00	1.00	1.00	18.20	
	48.20	60.80	1	12.60	1.00	1.00	1.00	1.00	12.60	
	60.80	85.20	1	24.40	1.00	1.00	1.00	1.00	24.40	
	85.20	88.80	1	3.60	1.00	1.00	1.00	1.00	3.60	
	88.80	118.80	1	30.00	1.00	1.00	1.00	1.00	30.00	
	118.80	134.40	1	15.60	1.00	1.00	1.00	1.00	15.60	
	Lake View 2nd cross road from 1st Main Road RHS									
	0.00	30.00	1	30.00	1.00	1.00	1.00	1.00	30.00	
	30.00	38.00	1	8.00	1.00	1.00	1.00	1.00	8.00	
	Lake View 2nd cross road from 1st Main Road LHS									
	0.00	30.00	1	30.00	1.00	1.00	1.00	1.00	30.00	
	30.00	43.40	1	13.40	1.00	1.00	1.00	1.00	13.40	
	43.40	51.40	1	8.00						Culvert
	51.40	81.40	1	30.00	1.00	1.00	1.00	1.00	30.00	
	81.40	89.00	1	7.60	1.00	1.00	1.00	1.00	7.60	
	89.00	96.40	1	7.40						Culvert
	96.40	126.40	1	30.00	1.00	1.00	1.00	1.00	30.00	
	126.40	134.40	1	8.00	1.00	1.00	1.00	1.00	8.00	
	Lake View 2nd Main Road From 1st cross road LHS									
	0.00	30.00	1	30.00	1.00	1.00	1.00	1.00	30.00	
	30.00	60.00	1	30.00	1.00	1.00	1.00	1.00	30.00	
	60.00	90.00	1	30.00	1.00	1.00	1.00	1.00	30.00	
	90.00	120.00	1	30.00	1.00	1.00	1.00	1.00	30.00	
	120.00	136.60	1	16.60	1.00	1.00	1.00	1.00	16.60	
	Lake View 3rd Main Road from 2nd cross road LHS									

Measurements checked and found correct on 13/08/2020

SLNO	CHAINAGE Land Mark		NO	L (m)	B (m)	B1 (m)	Avg B (m)	D (m)	QTY	REMARKS
	0.00	30.00	1	30.00	1.00	1.00	1.00	1.00	30.00	
	30.00	38.80	1	8.80	1.00	1.00	1.00	1.00	8.80	
	38.80	45.40	1	6.60						Cross road
	45.40	75.40	1	30.00	1.00	1.00	1.00	1.00	30.00	
	75.40	84.40	1	9.00	1.00	1.00	1.00	1.00	9.00	
	Lake View 6th Cross road from 2nd main road RHS									
	0.00	18.00	1	18.00	1.00	1.00	1.00	1.00	18.00	
	18.00	45.00	1	27.00	1.00	1.00	1.00	1.00	27.00	
	Lake View 4th Main Road From 3rd cross road LHS									
	0.00	30.00	1	30.00	1.00	1.00	1.00	1.00	30.00	
	30.00	60.00	1	30.00	1.00	1.00	1.00	1.00	30.00	
	60.00	90.00	1	30.00	1.00	1.00	1.00	1.00	30.00	
	90.00	120.00	1	30.00	1.00	1.00	1.00	1.00	30.00	
	120.00	122.50	1	2.50	1.00	1.00	1.00	1.00	2.50	
	Lake View 4th Main Road From 3rd cross road RHS									
	0.00	30.00	1	30.00	1.00	1.00	1.00	1.00	30.00	
	30.00	60.00	1	30.00	1.00	1.00	1.00	1.00	30.00	
	60.00	90.00	1	30.00	1.00	1.00	1.00	1.00	30.00	
	90.00	120.00	1	30.00	1.00	1.00	1.00	1.00	30.00	
	120.00	122.50	1	2.50	1.00	1.00	1.00	1.00	2.50	
	Lake View 4th Main Road From 2nd cross road RHS									
	0.00	30.00	1	30.00	1.00	1.00	1.00	1.00	30.00	
	30.00	60.00	1	30.00	1.00	1.00	1.00	1.00	30.00	
	60.00	61.50	1	1.50	1.00	1.00	1.00	1.00	1.50	
	61.50	74.00	1	12.50	1.00	1.00	1.00	1.00	12.50	
	74.00	104.00	1	30.00	1.00	1.00	1.00	1.00	30.00	
	104.00	134.00	1	30.00	1.00	1.00	1.00	1.00	30.00	
	134.00	149.00	1	15.00	1.00	1.00	1.00	1.00	15.00	
	149.00	172.00	1	23.00	1.00	1.00	1.00	1.00	23.00	
	Lake View 1st Main Road From 1st cross road RHS (For Kerb)									
	0.00	30.00	1	30.00	0.165	0.165	0.165	0.25	1.24	
	30.00	60.00	1	30.00	0.165	0.165	0.165	0.25	1.24	
	60.00	90.00	1	30.00	0.165	0.165	0.165	0.25	1.24	

Measurement checked and found correct on 13/06/2020

SLNO	CHAINAGE		NO	L	B	Bl	Avg B	D	QTY	REMARKS
	Land Mark			(m)	(m)	(m)	(m)	(m)		
	120.00	122.60	1	2.60	0.165	0.165	0.165	0.25	0.11	
	Lake View 3rd Main Road from 2nd cross road RHS									
	0.00	30.00	1	30.00	0.165	0.165	0.165	0.25	1.24	
	30.00	60.00	1	30.00	0.165	0.165	0.165	0.25	1.24	
	60.00	90.00	1	30.00	0.165	0.165	0.165	0.25	1.24	
	90.00	120.00	1	30.00	0.165	0.165	0.165	0.25	1.24	
	120.00	122.60	1	2.60	0.165	0.165	0.165	0.25	0.11	
	Lake View 3rd Cross road from 3rd main road RHS									
	0.00	30.00	1	30.00	0.165	0.165	0.165	0.25	1.24	
	30.00	37.00	1	7.00	0.165	0.165	0.165	0.25	0.29	
	37.00	44.50	1	7.50						Culvert
	44.50	74.50	1	30.00	0.165	0.165	0.165	0.25	1.24	
	74.50	83.00	1	8.50	0.165	0.165	0.165	0.25	0.35	
	Lake View 3rd Main Road from 1st Cross road LHS									
	0.00	30.00	1	30.00	0.165	0.165	0.165	0.25	1.24	
	30.00	60.00	1	30.00	0.165	0.165	0.165	0.25	1.24	
	60.00	90.00	1	30.00	0.165	0.165	0.165	0.25	1.24	
	90.00	120.00	1	30.00	0.165	0.165	0.165	0.25	1.24	
	120.00	135.50	1	15.50	0.165	0.165	0.165	0.25	0.64	
	Lake View 3rd Main Road from 1st Cross road RHS									
	0.00	30.00	1	30.00	0.165	0.165	0.165	0.25	1.24	
	30.00	60.00	1	30.00	0.165	0.165	0.165	0.25	1.24	
	60.00	90.00	1	30.00	0.165	0.165	0.165	0.25	1.24	
	90.00	120.00	1	30.00	0.165	0.165	0.165	0.25	1.24	
	120.00	135.50	1	15.50	0.165	0.165	0.165	0.25	0.64	
	Lake View 2nd Main Road From 2nd cross road LHS									
	0.00	30.00	1	30.00	0.165	0.165	0.165	0.25	1.24	
	30.00	49.00	1	19.00	0.165	0.165	0.165	0.25	0.78	
	Lake View 6th Cross road from 2nd main road LHS									
	0.00	30.00	1	30.00	0.165	0.165	0.165	0.25	1.24	
	30.00	38.80	1	8.80	0.165	0.165	0.165	0.25	0.36	
	38.80	45.40	1	6.60						Cross road
	45.40	75.40	1	30.00	0.165	0.165	0.165	0.25	1.24	

Measurement taken and Checked and collected on 13/06/2020

SLNO	CHAINAGE		NO	L	B	B1	Avg B	D	QTY	REMARKS
	Land Mark			(m)	(m)	(m)	(m)	(m)		
	Lake View 3rd Main Road									
			1	6.70	1.35	1.35	1.35	0.90	8.14	Culvert
			1	7.50	1.35	1.35	1.35	0.90	9.11	Culvert
			1	7.40	1.35	1.35	1.35	0.90	8.99	Culvert
	Lake View 4th Main Road									
			1	9.00	2.00	2.00	2.00	1.20	21.60	Culvert
			1	7.40	1.35	1.35	1.35	0.90	8.99	Culvert
	Lake View 6th Main Road									
			1	7.50	1.35	1.35	1.35	0.90	9.11	Culvert
	Govt Hospital road From Sai Traders to end									
	0.00	30.00	1	30.00	1.20	1.20	1.20	1.20	43.20	
	30.00	59.50	1	29.50	1.20	1.20	1.20	1.20	42.48	
	59.50	63.50	1	4.00	1.50	1.50	1.50	1.00	6.00	Culvert
	63.50	79.60	1	16.10	1.20	1.20	1.20	1.20	23.18	
	79.60	82.60	1	3.00	1.50	1.50	1.50	1.00	4.50	Culvert
	82.60	107.60	1	25.00	1.20	1.20	1.20	1.20	36.00	
	107.60	111.80	1	4.20	1.50	1.50	1.50	1.20	7.56	Culvert
	111.80	138.80	1	27.00	1.20	1.20	1.20	1.20	38.88	
	138.80	142.40	1	3.60	1.50	1.50	1.50	1.20	6.48	Culvert
	142.40	159.40	1	17.00	1.20	1.20	1.20	1.20	24.48	
	159.40	170.20	1	10.80						old Deck Culvert
	170.20	191.30	1	21.10	1.20	1.20	1.20	1.20	30.38	
	191.30	217.40	1	26.10	1.20	1.20	1.20	1.20	37.58	
	217.40	222.00	1	4.60						old Deck Culvert
	222.00	252.00	1	30.00	1.20	1.20	1.20	1.20	43.20	
	252.00	277.00	1	25.00	1.20	1.20	1.20	1.20	36.00	
	Lake View 1st A Main Road From 1st cross road LHS									
	0.00	19.50	1	19.50	1.00	1.00	1.00	1.00	19.50	
	Lake View 1st A Main Road From 1st cross road RHS									
	0.00	30.00	1	30.00	1.00	1.00	1.00	1.00	30.00	
	Lake View 1st Cross Road RHS									
	0.00	18.40	1	18.40	1.00	1.00	1.00	1.00	18.40	
	18.40	24.00	1	5.60						Cross Road
	24.00	54.00	1	30.00	1.00	1.00	1.00	1.00	30.00	

SLNO	CHAINAGE Land Mark		NO	L (m)	B (m)	B1 (m)	Avg B (m)	D (m)	QTY	REMARKS
	0.00	30.00	1	30.00	0.165	0.165	0.165	0.25	1.24	
	Lake View 1st Cross Road RHS									
	0.00	18.40	1	18.40	0.165	0.165	0.165	0.25	0.76	
	18.40	24.00	1	5.60						Cross Road
	24.00	54.00	1	30.00	0.165	0.165	0.165	0.25	1.24	
	54.00	61.50	1	7.50	0.165	0.165	0.165	0.25	0.31	
	Lake View 2nd cross road from 2nd Main Road RHS									
	0.00	30.00	1	30.00	0.165	0.165	0.165	0.25	1.24	
	30.00	38.00	1	8.00	0.165	0.165	0.165	0.25	0.33	
	38.00	45.50	1	7.50						Cross Road
	45.50	75.50	1	30.00	0.165	0.165	0.165	0.25	1.24	
	75.50	83.50	1	8.00	0.165	0.165	0.165	0.25	0.33	
	Lake View 3rd Cross Road from 2nd main road RHS									
	0.00	30.00	1	30.00	0.165	0.165	0.165	0.25	1.24	
	30.00	38.00	1	8.00	0.165	0.165	0.165	0.25	0.33	
	Lake View 6th A Cross road from 2nd main road RHS									
	0.00	15.50	1	15.50	0.165	0.165	0.165	0.25	0.64	
	Lake View 6th A Cross road from 2nd main road LHS									
	0.00	14.00	1	14.00	0.165	0.165	0.165	0.25	0.58	
								Total Qty Work Done	4750.57	Cum
								Qty Payable in this bill	4750.57	Cum

Measurements and found checked correct and recommended for payment on 13/06/2020

Contractor Representative

Asst Engineer

Consultant Representative

Asst.Executive Engineer

BRUHAT BANGALORE MAHANAGARA PALIKE

Name of Work: Improvements to roads, drains and other developmental works in Ward No- 01 &02. Under SWM head in Chief Minister Nava Nagarothana grants of Yelahanka division.(Package -07)

Measurement Sheet

First and Part Bill

Item No:	3
Item Name:	KSRB 4-1.7 : Providing and laying in position **plain cement concrete of Mix 1:3:6** with OPC @ 220kgs, with 20mm and down size graded granite metal coarse aggregates @0.69 cum and fine aggregtes @ 0.56cum, machine mixed, concrete laid in layers not exceeding 15 cms. thick, well compacted, in foundation, plinth and cills, including cost of all materials, labour, HOM curing complete as per specifications. Specification No. KBS 4.1, 4.2 Page No.13 Item No.4.7

Premeasurement recorded on: 05-06-20, 20-06-20

SLNO	CHAINAGE Land Mark		NO	L (m)	B (m)	B1 (m)	Avg B (m)	D (m)	QTY	REMARKS
	Komaladevi Enclave 1st cross road LHS									
	0.00	30.00	1	30.00	1.00	1.00	1.00	0.15	4.50	
	30.00	34.90	1	4.90	1.00	1.00	1.00	0.15	0.74	
	34.90	59.40	1	24.50	1.00	1.00	1.00	0.15	3.68	
	59.40	85.10	1	25.70	1.00	1.00	1.00	0.15	3.86	
	85.10	89.40	1	4.30	1.00	1.00	1.00	0.15	0.65	
	89.40	109.40	1	20.00	1.00	1.00	1.00	0.15	3.00	
	109.40	119.40	1	10.00	1.00	1.00	1.00	0.15	1.50	
	119.40	139.90	1	20.50	1.00	1.00	1.00	0.15	3.08	
	139.90	151.60	1	11.70	1.00	1.00	1.00	0.15	1.76	
	151.60	163.60	1	12.00	1.00	1.00	1.00	0.15	1.80	
	163.60	193.60	1	30.00	1.00	1.00	1.00	0.15	4.50	
	193.60	223.60	1	30.00	1.00	1.00	1.00	0.15	4.50	
	223.60	239.30	1	15.70	1.00	1.00	1.00	0.15	2.36	
	239.30	241.30	1	2.00	1.00	1.00	1.00	0.15	0.30	
	Komaladevi Enclave 1st cross road RHS									
	0.00	8.80	1	8.80	1.00	1.00	1.00	0.15	1.32	
	8.80	38.80	1	30.00	1.00	1.00	1.00	0.15	4.50	
	38.80	53.80	1	15.00	1.00	1.00	1.00	0.15	2.25	
	53.80	63.50	1	9.70	1.00	1.00	1.00	0.15	1.46	
	63.50	68.80	1	5.30	1.00	1.00	1.00	0.15	0.80	
	68.80	87.60	1	18.80	1.00	1.00	1.00	0.15	2.82	
	117.60	147.60	1	30.00	1.00	1.00	1.00	0.15	4.50	
	117.60	147.60	1	30.00	1.00	1.00	1.00	0.15	4.50	

Measurements taken checked & correct on 20/06/20

SLNO	CHAINAGE		NO	L	B	B1	Avg B	D	QTY	REMARKS
	Land Mark			(m)	(m)	(m)	(m)	(m)		
	Lake View 1st Main Road From 1st cross road RHS									
	0.00	30.00	1	30.00	1.00	1.00	1.00	0.15	4.50	
	30.00	60.00	1	30.00	1.00	1.00	1.00	0.15	4.50	
	60.00	90.00	1	30.00	1.00	1.00	1.00	0.15	4.50	
	90.00	120.00	1	30.00	1.00	1.00	1.00	0.15	4.50	
	120.00	135.30	1	15.30	1.00	1.00	1.00	0.15	2.30	
	Lake View 1st Main Road From 1st cross road LHS									
	0.00	30.00	1	30.00	1.00	1.00	1.00	0.15	4.50	
	30.00	48.20	1	18.20	1.00	1.00	1.00	0.15	2.73	
	48.20	60.80	1	12.60	1.00	1.00	1.00	0.15	1.89	
	60.80	85.20	1	24.40	1.00	1.00	1.00	0.15	3.66	
	85.20	88.80	1	3.60	1.00	1.00	1.00	0.15	0.54	
	88.80	118.80	1	30.00	1.00	1.00	1.00	0.15	4.50	
	118.80	134.40	1	15.60	1.00	1.00	1.00	0.15	2.34	
	Lake View 2nd cross road from 1st Main Road RHS									
	0.00	30.00	1	30.00	1.00	1.00	1.00	0.15	4.50	
	30.00	38.00	1	8.00	1.00	1.00	1.00	0.15	1.20	
	Lake View 2nd cross road from 1st Main Road LHS									
	0.00	30.00	1	30.00	1.00	1.00	1.00	0.15	4.50	
	30.00	43.40	1	13.40	1.00	1.00	1.00	0.15	2.01	
	43.40	51.40	1	8.00						Culvert
	51.40	81.40	1	30.00	1.00	1.00	1.00	0.15	4.50	
	81.40	89.00	1	7.60	1.00	1.00	1.00	0.15	1.14	
	89.00	96.40	1	7.40						Culvert
	96.40	126.40	1	30.00	1.00	1.00	1.00	0.15	4.50	
	126.40	134.40	1	8.00	1.00	1.00	1.00	0.15	1.20	
	Lake View 2nd Main Road From 1st cross road LHS									
	0.00	30.00	1	30.00	1.00	1.00	1.00	0.15	4.50	
	30.00	60.00	1	30.00	1.00	1.00	1.00	0.15	4.50	
	60.00	90.00	1	30.00	1.00	1.00	1.00	0.15	4.50	
	90.00	120.00	1	30.00	1.00	1.00	1.00	0.15	4.50	

SLNO	CHAINAGE Land Mark		NO	L (m)	B (m)	BI (m)	Avg B (m)	D (m)	QTY	REMARKS
	Lake View 1st Cross Road RHS									
	0.00	18.40	1	18.40	0.200	0.200	0.200	0.100	0.37	
	18.40	24.00	1	5.60						Cross Road
	24.00	54.00	1	30.00	0.200	0.200	0.200	0.100	0.60	
	54.00	61.50	1	7.50	0.200	0.200	0.200	0.100	0.15	
	Lake View 2nd cross road from 2nd Main Road RHS									
	0.00	30.00	1	30.00	0.200	0.200	0.200	0.100	0.60	
	30.00	38.00	1	8.00	0.200	0.200	0.200	0.100	0.16	
	38.00	45.50	1	7.50						Cross Road
	45.50	75.50	1	30.00	0.200	0.200	0.200	0.100	0.60	
	75.50	83.50	1	8.00	0.200	0.200	0.200	0.100	0.16	
	Lake View 3rd Cross Road from 2nd main road RHS									
	0.00	30.00	1	30.00	0.200	0.200	0.200	0.100	0.60	
	30.00	38.00	1	8.00	0.200	0.200	0.200	0.100	0.16	
	Lake View 6th A Cross road from 2nd main road RHS									
	0.00	15.50	1	15.50	0.200	0.200	0.200	0.100	0.31	
	Lake View 6th A Cross road from 2nd main road LHS									
	0.00	14.00	1	14.00	0.200	0.200	0.200	0.100	0.28	
								Total Qty Work Done	796.82	**Cum**
								Qty Payable in this bill	796.82	**Cum**

Contractor Representative

Asst Engineer

Consultant Representative

Asst.Executive Engineer

BRUHAT BANGALORE MAHANAGARA PALIKE

Name of Work: Improvements to roads, drains and other developmental works in Ward No- 01 &02 Under SWM head in Chief Minister Nava Nagarothana grants of Yelahanka division (Package -07)

Measurement Sheet

First and Part Bill

Item No:	5
Item Name:	KSRRB M 2200-6 Providing **T.M.T steel reinforcement** for R.C.C work including straightening, cutting, bending, hooking, placing in position, lapping and or welding wherever required, tying with binding wire and anchoring to the adjoining members wherever necessary complete as per design (laps, hooks and wastage shall not be measured and paid) cost of materials, labour, HOM of machinery complete as per specifications. Specification No. MORTH Specification No 1600 & 2200 TMT Bars Fe 500 Page No 229 Item No 28.8.2 SR 2018-19

Premeasurement recorded on: 16-06-20, 22-06-20, 01-07-20

SLNO	CHAINAGE / Land Mark	NO	L (m)	B (m)	BI (m)	Avg B (m)	D (m)	QTY	REMARKS
SL NO	**Dia of Bar in mm** / **Side** / **Spacing of Bar**		**Nos**	**Length of Bar in Mtr**	**Total length of bar in Mtr**	**Type of Bar**	**Standard weight per Mtr in Kgs**	**Weight of Steel in Kgs**	
	For Drains								
	Komaladevi Enclave 1st cross road LHS								
1	10 / 1.00 / 100mmc/c		2413.00	2.50	6032.50	Main Bar	0.617	3722.05	
2	8 / 1.00 / 140mmc/c		18.00	241.30	4343.40	Distribution bar	0.395	1715.64	
	Komaladevi Enclave 1st cross road RHS								
1	10 / 1.00 / 100mmc/c		2622.00	2.50	6555.00	Main Bar	0.617	4044.44	
2	8 / 1.00 / 140mmc/c		18.00	262.20	4719.60	Distribution bar	0.395	1864.24	
	Komaladevi Enclave 2nd cross road LHS								
1	10 / 1.00 / 100mmc/c		2498.00	2.50	6245.00	Main Bar	0.617	3853.17	
2	8 / 1.00 / 140mmc/c		18.00	249.80	4496.40	Distribution bar	0.395	1776.08	
	Komaladevi Enclave 2nd cross road RHS								
1	10 / 1.00 / 100mmc/c		2480.00	2.50	6200.00	Main Bar	0.617	3825.40	
2	8 / 1.00 / 140mmc/c		18.00	248.00	4464.00	Distribution bar	0.395	1763.28	
	For Culverts								
	Udayanagar Main road New Culverts								
1	12 / 2.00 / 100mmc/c		240.00	2.40	576.00	Main Bar	0.890	1025.28	
2	10 / 2.00 / 140mmc/c		18.00	24.00	432.00	Distribution bar	0.617	533.09	
	For Rcc Drain								
	GKVK Layout 1st cross road LHS								
1	10 / 1.00 / 100mmc/c		1012.00	2.30	2327.60	Main Bar	0.617	1436.15	
2	8 / 1.00 / 140mmc/c		17.00	101.20	1720.40	Distribution bar	0.395	679.56	
	GKVK Layout 1st cross road RHS								
1	10 / 1.00 / 100mmc/c		1015.00	2.30	2334.50	Main Bar	0.617	1440.59	
2	8 / 1.00 / 140mmc/c		17.00	101.50	1725.50	Distribution bar	0.395	681.57	
	GKVK Layout 1st A cross road LHS								
1	10 / 1.00 / 100mmc/c		275.00	2.30	632.50	Main Bar	0.617	390.25	
2	8 / 1.00 / 140mmc/c		17.00	27.50	467.50	Distribution bar	0.395	184.66	
	GKVK Layout 1st A cross road RHS								
1	10 / 1.00 / 100mmc/c		275.00	2.30	632.50	Main Bar	0.617	390.25	

SLNO	CHAINAGE		NO	L	B	B1	Avg B	D	QTY	REMARKS
	Land Mark			(m)	(m)	(m)	(m)	(m)		
SL NO	Dia of Bar in mm	Side	Spacing of Bar	Nos	Length of Bar in Mtr	Total length of bar in Mtr	Type of Bar	Standard weight per Mtr in Kgs	Weight of Steel in Kgs	
			Lake View 1st A Main Road From 1st cross road LHS							
	10	1.00	100mmc/c	300.00	2.40	720.00	Main Bar	0.617	444.24	
	8	1.00	140mmc/c	18.00	30.00	540.00	Distribution bar	0.395	213.30	
			Lake View 1st A Main Road From 1st cross road LHS							
	10	1.00	100mmc/c	195.00	2.40	468.00	Main Bar	0.617	288.76	
	8	1.00	140mmc/c	18.00	19.50	351.00	Distribution bar	0.395	138.65	
			Lake View 1st Cross Road							
	10	1.00	100mmc/c	559.00	2.40	1341.60	Main Bar	0.617	827.77	
	8	1.00	140mmc/c	18.00	55.90	1006.20	Distribution bar	0.395	397.45	
			Lake View 2nd cross road from 2nd Main Road RHS							
	10	1.00	100mmc/c	760.00	2.40	1824.00	Main Bar	0.617	1125.41	
	8	1.00	140mmc/c	18.00	76.00	1368.00	Distribution bar	0.395	540.36	
			Lake View 3rd Cross Road from 2nd main road RHS							
1	10	1.00	100mmc/c	380.00	2.40	912.00	Main Bar	0.617	562.70	
2	8	1.00	140mmc/c	18.00	38.00	684.00	Distribution bar	0.395	270.18	
			Lake View 6th A Cross road from 2nd main road RHS							
1	10	1.00	100mmc/c	155.00	2.40	372.00	Main Bar	0.617	229.52	
2	8	1.00	140mmc/c	18.00	15.50	279.00	Distribution bar	0.395	110.21	
			Lake View 6th A Cross road from 2nd main road LHS							
1	10	1.00	100mmc/c	140.00	2.40	336.00	Main Bar	0.617	207.31	
2	8	1.00	140mmc/c	18.00	14.00	252.00	Distribution bar	0.395	99.54	
			Govt Hospital road Culverts							
1	12	2.00	100mmc/c	148.00	3.00	444.00	Main Bar	0.890	790.32	
2	10	2.00	140mmc/c	22.00	14.80	325.60	Distribution bar	0.617	401.79	
								Total Qty Work Done	105515.25	Kgs
								Qty Payable in this bill	105.515	Tonne

Contractor Representative

Asst Engineer

Consultant Representative

Asst Executive Engineer

BRUHAT BANGALORE MAHANAGARA PALIKE

Name of Work: Improvements to roads, drains and other developmental works in Ward No- 01 &02. Under SWM head in Chief Minister Nava Nagarothana grants of Yelahanka division.(Package -07)

Measurement Sheet

First and Part Bill

Item No:	10
Item Name:	KSRRB M600-1. Construction of dry lean **cement concrete mix CC 1:5:10** with OPC cement @160Kgs, with 25mm and down size graded granite metal coarse aggregate at 0.86cum and fine aggregates @ 0.58cum Sub-base over a prepared sub-grade with (coarse and fine aggregate conforming to IS: 383) aggregate cement ratio not to exceed 15:1. Aggregate gradation after blending to be as per Table 600-1, cement content not to be less than 160 kg/ cum, optimum moisture content to be determined during trial length construction, concrete strength not to be less than 10 Mpa at 7 days, mixed in a batching plant, transported to site, laid with a paver with electronic sensor, compacting with 8-10 tonnes vibratory roller, finishing and curing complete as per specifications. MORTH Specification No. 601 of MORTH V Revision and IS 456 Table-5 22.1.1 -do- with OPC

Premeasurement recorded on: 09-07-20

SLNO	CHAINAGE Land Mark		NO	L (m)	B (m)	B1 (m)	Avg B (m)	D (m)	QTY	REMARKS
	Udayanagar Cross Road No 1									
	0.00	26.00	1.00	26.00	4.50	4.50	4.50	0.15	17.55	
	Udayanagar Cross Road No 2									
	0.00	27.80	1.00	27.80	3.80	4.35	4.08	0.15	16.99	
	Udayanagar Cross Road No 3									
	0.00	28.80	1.00	28.80	3.80	4.30	4.05	0.15	17.50	
	Udayanagar Cross Road No 4									
	0.00	26.60	1.00	26.60	3.00	3.40	3.20	0.15	12.77	
	Udayanagar Cross Road No 5									
	0.00	27.60	1.00	27.60	2.50	2.90	2.70	0.15	11.18	
	Udayanagar Cross Road No 6									
	0.00	30.00	1.00	30.00	3.60	2.70	3.15	0.15	14.18	
	30.00	37.30	1.00	7.30	2.70	2.70	2.70	0.15	2.96	
	Udayanagar Cross Road No 7									
	0.00	30.00	1.00	30.00	2.90	3.40	3.15	0.15	14.18	
	30.00	36.90	1.00	6.90	3.40	3.50	3.45	0.15	3.57	
	Udayanagar Cross Road No 8									
	0.00	30.00	1.00	30.00	3.50	4.00	3.75	0.15	16.88	
	30.00	36.40	1.00	6.40	4.00	4.20	4.10	0.15	3.94	
	Udayanagar Cross Road No 9									

SLNO	CHAINAGE Land Mark		NO	L (m)	B (m)	B1 (m)	Avg B (m)	D (m)	QTY	REMARKS
	12.00	16.00	1	4.00	1.60	1.60	1.60	0.15	0.96	
	16.00	28.50	1	12.50	2.70	2.70	2.70	0.15	5.06	
	28.50	43.50	1	15.00	2.60	2.40	2.50	0.15	5.63	
	43.50	73.50	1	30.00	2.40	2.90	2.65	0.15	11.93	
	73.50	103.50	1	30.00	2.90	1.60	2.25	0.15	10.13	
	103.50	118.50	1	15.00	1.60	2.40	2.00	0.15	4.50	
	118.50	133.50	1	15.00	2.40	1.70	2.05	0.15	4.61	
	133.50	163.50	1	30.00	1.70	1.40	1.55	0.15	6.98	
	163.50	193.50	1	30.00	1.40	1.40	1.40	0.15	6.30	
	193.50	223.50	1	30.00	1.40	2.40	1.90	0.15	8.55	
	223.50	253.50	1	30.00	2.40	2.30	2.35	0.15	10.58	
	253.50	282.50	1	29.00	2.30	4.00	3.15	0.15	13.70	
								Total Qty Work Done	**1631.54**	**Cum**
								Qty Payable in this bill	**1631.54**	**Cum**

Contractor Representative

Asst Engineer

Consultant Representative

Asst.Executive Engineer

SLNO	CHAINAGE		NO	L	B	Bl	Avg B	D	QTY	REMARKS
	Land Mark			(m)	(m)	(m)	(m)	(m)		
	253.50	282.50	1	29.00	2.30	4.00	3.15	0.150	13.70	
								Total Qty Work Done	1665.20	Cum
								Qty Payable in this bill	1665.20	Cum

C&FC on 29/06/2020

Contractor Representative

Asst Engineer

Consultant Representative

Asst.Executive Engineer

BRUHAT BANGALORE MAHANAGARA PALIKE

Name of Work: Improvements to roads, drains and other developmental works in Ward No- 01 &02. Under SWM head in Chief Minister Nava Nagarothana grants of Yelahanka division.(Package -07)

Measurement Sheet

First and Part Bill

Item No:	14
Item Name:	KSRRB M500-6. Providing and applying **primer coat** with S.S. bitumen emulsion on prepared surface of granular base such as WMM including cleaning of road surface and spraying primer at the rate of 0.60 kg / sqm using mechanical means complete as per specifications Clause 502 of MORTH V revision(P.No-158,I No-21.6)

Premeasurement recorded on: 03-07-20, 14-07-20

SLNO	CHAINAGE Land Mark		NO	L (m)	B (m)	BI (m)	Avg B (m)	D (m)	QTY	REMARKS
	2nd cross Road GKVK layout								0.00	
	0.00	30.00	1	30.00	6.70	4.90	5.80		174.00	201-00
	30.00	60.00	1	30.00	4.90	4.80	4.85		145.50	147-00
	60.00	90.00	1	30.00	4.80	5.30	5.05		151.50	144.00
	90.00	102.10	1	12.10	5.30	5.30	5.30		64.13	
	Approach		1	2.00	7.10	7.10	7.10		14.20	
	2nd A cross Road GKVK layout								0.00	
	0.00	29.80	1	29.80	6.60	5.00	5.80		172.84	
	Approach		1	0.80	8.10	8.10	8.10		6.48	
	3rd cross Road GKVK layout								0.00	
	0.00	30.00	1	30.00	8.50	8.10	8.30		249.00	
	30.00	60.00	1	30.00	8.10	8.00	8.05		241.50	
	60.00	90.00	1	30.00	8.00	8.10	8.05		241.50	
	90.00	101.20	1	11.20	8.10	8.50	8.30		92.96	
	Approach		1	1.50	10.80	10.80	10.80		16.20	
	Road Cut Portion Govt hospital Road								0.00	
	0.00	30.00	1	30.00	2.80	3.00	2.90		87.00	
	30.00	60.00	1	30.00	3.00	2.90	2.95		88.50	
	60.00	90.00	1	30.00	2.90	2.90	2.90		87.00	
	90.00	120.00	1	30.00	2.90	3.00	2.95		88.50	
	120.00	150.00	1	30.00	3.00	3.00	3.00		90.00	

C&FC on 14/07/2020

Pugal 14/7/2020

SLNO	CHAINAGE Land Mark		NO	L (m)	B (m)	B1 (m)	Avg B (m)	D (m)	QTY	REMARKS
	375.00	405.00	1	30.00	10.00	7.50	8.75		262.50	
	405.00	435.00	1	30.00	7.50	6.55	7.03		210.75	
	435.00	465.00	1	30.00	6.55	4.80	5.68		170.25	
	465.00	495.00	1	30.00	4.80	5.10	4.95		148.50	
	495.00	509.00	1	14.00	5.10	7.40	6.25		87.50	
	509.00	539.00	1	30.00	7.40	7.20	7.30		219.00	
	539.00	569.00	1	30.00	7.20	11.00	9.10		273.00	
	569.00	598.00	1	29.00	11.00	13.80	12.40		359.60	
	Apprach Road								0.00	
	0.00	30.00	1	30.00	7.50	10.50	9.00		270.00	
	30.00	40.90	1	10.90	10.50	13.50	12.00		130.80	
	Deduction		1	-183.00	0.30	0.30	0.30		-54.90	Centre Median
			1	-10.00	9.50	9.50	9.50		-95.00	ashwath Katte
	Ashwathkatte Road								0.00	
	0.00	30.00	1	30.00	8.30	5.20	6.75		202.50	
	30.00	60.00	1	30.00	5.20	5.20	5.20		156.00	
	60.00	90.00	1	30.00	5.20	3.40	4.30		129.00	
	90.00	115.00	1	25.00	3.40	3.50	3.45		86.25	
								Total Qty Work Done	**11084.16**	**Sqm**
								Qty Payable in this bill	**11084.16**	**Sqm**

C&FC on 14/04/2022

Contractor Representative

Asst Engineer

Consultant Representative

Asst Executive Engineer

BRUHAT BANGALORE MAHANAGARA PALIKE

Name of Work: Improvements to roads, drains and other developmental works in Ward No- 01 &02. Under SWM head in Chief Minister Nava Nagarothana grants of Yelahanka division.(Package -07)

Measurement Sheet

First and Part Bill

Item No:	15
Item Name:	KSRRB 500-2. **Cleaning** the existing black topped surface with brooms, soft brushes and finally dusting with old gunny bags and /or compressed air to receive bituminous treatment including cost of all materials, labour, HOM of machineries complete as per specifications. MORTH specification clause 501 Page No.158. Item No.21.2

Premeasurement recorded on: 01-07-20, 13-07-20

SLNO	CHAINAGE Land Mark		NO	L (m)	B (m)	B1 (m)	Avg B (m)	D (m)	QTY	REMARKS
	Govt Hospital Road from Signal to BBMP office									
	0.00	30.00	1	30.00	15.00	14.50	14.75		442.50	
	30.00	60.00	1	30.00	14.50	14.50	14.50		435.00	
	60.00	90.00	1	30.00	14.50	14.60	14.55		436.50	
	90.00	120.00	1	30.00	14.60	15.10	14.85		445.50	
	120.00	150.00	1	30.00	15.10	16.10	15.60		468.00	
	150.00	180.00	1	30.00	16.10	14.30	15.20		456.00	
	180.00	210.00	1	30.00	14.30	15.70	15.00		450.00	
	210.00	240.00	1	30.00	15.70	14.30	15.00		450.00	
	240.00	270.00	1	30.00	14.30	11.20	12.75		382.50	
	270.00	300.00	1	30.00	11.20	12.30	11.75		352.50	
	300.00	330.00	1	30.00	12.30	12.10	12.20		366.00	
	330.00	360.00	1	30.00	16.05	30.50	23.28		698.25	
	360.00	375.00	1	15.00	30.50	38.10	34.30		514.50	
	375.00	405.00	1	30.00	10.00	7.50	8.75		262.50	
	405.00	435.00	1	30.00	7.50	6.55	7.03		210.75	
	435.00	465.00	1	30.00	6.55	4.80	5.68		170.25	
	465.00	495.00	1	30.00	4.80	5.10	4.95		148.50	
	495.00	509.00	1	14.00	5.10	7.40	6.25		87.50	
	509.00	539.00	1	30.00	7.40	7.20	7.30		219.00	
	539.00	569.00	1	30.00	7.20	11.00	9.10		273.00	

SLNO	CHAINAGE		NO	L	B	B1	Avg B	D	QTY	REMARKS
	Land Mark			(m)	(m)	(m)	(m)	(m)		
	369.00	598.00	1	29.00	11.00	13.80	12.40		359.60	
	Apprach Road								0.00	
	0.00	30.00	1	30.00	7.50	10.50	9.00		270.00	
	30.00	40.90	1	10.90	10.50	13.50	12.00		130.80	
	Deduction		1	-183.00	0.30	0.30	0.30		-54.90	Centre Median
			1	-10.00	9.50	9.50	9.50		-95.00	ashwath Katte
	Ashwathkatte Road								0.00	
	0.00	30.00	1	30.00	8.30	5.20	6.75		202.50	
	30.00	60.00	1	30.00	5.20	5.20	5.20		156.00	
	60.00	90.00	1	30.00	5.20	3.40	4.30		129.00	
	90.00	115.00	1	25.00	3.40	3.50	3.45		86.25	
								Total Qty Work Done	8453.00	Sqm
								Qty Payable in this bill	8453.00	Sqm

Contractor Representative

Asst Engineer

Consultant Representative

Asst.Executive Engineer

BRUHAT BANGALORE MAHANAGARA PALIKE

Name of Work: Improvements to roads, drains and other developmental works in Ward No- 01 &02. Under SWM head in Chief Minister Nava Nagarothana grants of Yelahanka division.(Package -07)

Measurement Sheet

First and Part Bill

Item No:	16
Item Name:	KSRRB M500-17. Providing and laying **Dense Graded Bituminous Macadam** using crushed aggregates of specified grading, premixed with VG30 grade bituminous binder and, transporting the hot mix to work site, laying to the required grade, level and alignment, rolling with smooth wheeled, vibratory and tandem rollers to achieve the desired compaction as per MORTH table 500-10 complete in all respects complete as per specifications. MORTH Specification No. 507. Using 100/120 TPH capacity HMP with sensor paver Gr-II (50 mm to 75mm) with 4.5% VG-30 Bitumen. Page No.160. Item No.21.17.2

Premeasurement recorded on: 08-07-20, 16-07-20

SLNO	CHAINAGE Land Mark		NO	L (m)	B (m)	B1 (m)	Avg B (m)	D (m)	QTY	REMARKS
	Komaladevi Enclave 1st cross road									
	0.00	30.00	1	30.00	3.50	3.50	3.50	0.05	5.25	
	30.00	60.00	1	30.00	3.50	3.00	3.25	0.05	4.88	
	60.00	90.00	1	30.00	3.00	3.00	3.00	0.05	4.50	
	90.00	120.00	1	30.00	3.00	3.00	3.00	0.05	4.50	
	120.00	150.00	1	30.00	3.00	3.00	3.00	0.05	4.50	
	150.00	180.00	1	30.00	3.00	3.00	3.00	0.05	4.50	
	180.00	210.00	1	30.00	3.00	3.00	3.00	0.05	4.50	
	210.00	240.00	1	30.00	3.00	3.00	3.00	0.05	4.50	
	240.00	262.20	1	22.20	3.00	3.00	3.00	0.05	3.33	
	Komaladevi Enclave 2nd cross road									
	0.00	30.00	1	30.00	3.50	3.00	3.25	0.05	4.88	
	30.00	60.00	1	30.00	3.00	3.00	3.00	0.05	4.50	
	60.00	90.00	1	30.00	3.00	3.00	3.00	0.05	4.50	
	90.00	120.00	1	30.00	3.00	3.00	3.00	0.05	4.50	
	120.00	150.00	1	30.00	3.00	3.00	3.00	0.05	4.50	
	150.00	180.00	1	30.00	3.00	3.00	3.00	0.05	4.50	
	180.00	210.00	1	30.00	3.00	3.00	3.00	0.05	4.50	
	210.00	240.00	1	30.00	3.00	3.00	3.00	0.05	4.50	
	240.00	249.80	1	9.80	3.00	3.00	3.00	0.05	1.47	
	GKVK layout Aravind appartment road									
	0.00	30.00	1	30.00	11.70	8.00	9.85	0.05	14.78	
	30.00	60.00	1	30.00	8.00	7.90	7.95	0.05	11.93	

C&Fc 16/07/2020

SLNO	CHAINAGE Land Mark		NO	L (m)	B (m)	B1 (m)	Avg B (m)	D (m)	QTY	REMARKS
	210.00	240.00	1	30.00	15.70	14.30	15.00	0.05	22.50	
	240.00	270.00	1	30.00	14.30	11.20	12.75	0.05	19.13	
	270.00	300.00	1	30.00	11.20	12.30	11.75	0.05	17.63	
	300.00	330.00	1	30.00	12.30	12.10	12.20	0.05	18.30	
	330.00	360.00	1	30.00	16.05	30.50	23.28	0.05	34.91	
	360.00	375.00	1	15.00	30.50	38.10	34.30	0.05	25.73	
	375.00	405.00	1	30.00	10.00	7.50	8.75	0.05	13.13	
	405.00	435.00	1	30.00	7.50	6.55	7.03	0.05	10.54	
	435.00	465.00	1	30.00	6.55	4.80	5.68	0.05	8.51	
	465.00	495.00	1	30.00	4.80	5.10	4.95	0.05	7.43	
	495.00	509.00	1	14.00	5.10	7.40	6.25	0.05	4.38	
	509.00	539.00	1	30.00	7.40	7.20	7.30	0.05	10.95	
	539.00	569.00	1	30.00	7.20	11.00	9.10	0.05	13.65	
	569.00	598.00	1	29.00	11.00	13.80	12.40	0.05	17.98	
	Deduction		1	-183.00	0.30	0.30	0.30	0.05	-2.75	Centre Median
			1	-10.00	9.50	9.50	9.50	0.05	-4.75	ashwath Katte
	Ashwathkatte Road								0.00	
	0.00	30.00	1	30.00	8.30	5.20	6.75	0.05	10.13	
	30.00	60.00	1	30.00	5.20	5.20	5.20	0.05	7.80	
	60.00	90.00	1	30.00	5.20	3.40	4.30	0.05	6.45	
	90.00	115.00	1	25.00	3.40	3.50	3.45	0.05	4.31	
								Total Qty Work Done	727.48	Cum
								Qty Payable in this bill	727.48	Cum

C & FC
09/10/2020

Contractor Representative

Asst Engineer

Consultant Representative

Asst.Executive Engineer

BRUHAT BANGALORE MAHANAGARA PALIKE

Name of Work: Improvements to roads, drains and other developmental works in Ward No- 01 &02. Under SWM head in Chief Minister Nava Nagarothana grants of Yelahanka division.(Package -07)

Measurement Sheet

First and Part Bill

Item No:	17
Item Name:	KSRRB 500-7. Providing and applying **tack coat** using 80/100 grade bitumen (VG10) on the prepared black topped surfaces at 0.25 kg per sqm, heating bitumen in boiler fitted with spray set (excluding cleaning of road surface) including cost of all materials, labour, HOM of machineries complete as per specifications. MORTH Chapter 5 Page No.158. Item No.21.7

Premeasurement recorded on: 09-07-20, 22-07-20

SLNO	CHAINAGE Land Mark		NO	L (m)	B (m)	B1 (m)	Avg B (m)	D (m)	QTY	REMARKS
	Komaladevi Enclave 1st cross road									
	0.00	30.00	1	30.00	6.40	6.70	6.55		196.50	
	30.00	60.00	1	30.00	6.70	6.50	6.60		198.00	
	60.00	90.00	1	30.00	6.50	6.70	6.60		198.00	
	90.00	120.00	1	30.00	6.70	6.50	6.60		198.00	
	120.00	150.00	1	30.00	6.50	6.50	6.50		195.00	
	150.00	180.00	1	30.00	6.50	6.50	6.50		195.00	
	180.00	210.00	1	30.00	6.50	6.60	6.55		196.50	
	210.00	240.00	1	30.00	6.60	6.70	6.65		199.50	
	240.00	262.20	1	22.20	6.70	6.80	6.75		149.85	
	Komaladevi Enclave 2nd cross road									
	0.00	30.00	1	30.00	6.70	6.70	6.70		201.00	
	30.00	60.00	1	30.00	6.70	6.60	6.65		199.50	
	60.00	90.00	1	30.00	6.60	6.70	6.65		199.50	
	90.00	120.00	1	30.00	6.70	6.70	6.70		201.00	
	120.00	150.00	1	30.00	6.70	6.50	6.60		198.00	
	150.00	180.00	1	30.00	6.50	6.50	6.50		195.00	
	180.00	210.00	1	30.00	6.50	6.40	6.45		193.50	
	210.00	240.00	1	30.00	6.40	6.50	6.45		193.50	
	240.00	250.20	1	10.20	6.50	6.60	6.55		66.81	
	GKVK layout Aravind appartment road									
	0.00	30.00	1	30.00	11.70	8.00	9.85		295.50	

C & FC 22/07/2020

BRUHAT BANGALORE MAHANAGARA PALIKE

Name of Work: Improvements to roads, drains and other developmental works in Ward No- 01 &02. Under SWM head in Chief Minister Nava Nagarothana grants of Yelahanka division.(Package -07)

Measurement Sheet

First and Part Bill

Item No:	22
Item Name:	for **Rain water harvesting** work including 40mm jelly, 20mm jelly coarse sand, fine sand, 12.50 mm chips as per data rates

Pre Measurement recorded on: 27-06-20, 03-07-20

SLNO	CHAINAGE / Land Mark	NO	L (m)	B (m)	B1 (m)	Avg B (m)	D (m)	QTY	REMARKS
	Komaladevi layout								
	Rain water Hearvesting	7.00						7.00	
	GKVK layout								
	Rain water Hearvesting	5.00						5.00	
	Lake View Layout								
	Rain water Hearvesting	12.00						18.00	
	Govt Hospital Road								
	Rain water Hearvesting	11.00						5.00	
							Total Qty Work Done	35.00	Nos
							Qty Payable in this bill	35.00	Nos

Contractor Representative

Asst Engineer

Consultant Representative

Asst.Executive Engineer

BRUHAT BANGALORE MAHANAGARA PALIKE												
Name of Work: Improvements to roads, drains and other developmental works in Ward No- 01 &02 Under SWM head in Chief Minister Nava Nagarothana grants of Yelahanka division (Package -07)												
Measurement Sheet												
First and Part Bill												
Item No:	1											
	KSRRB M300-14. **Excavation for roadwork** in all types of soil by mechanical means including cutting and loading to tippers, trimming bottom and side slopes, in accordance with requirements of lines, grades and cross sections, and transportation with a lead of 1.00 km and complete as per specifications. MORTH Specification No.301 Page No.143. Item No.19.14											
SLNO	CHAINAGE Land Mark	NO	L (m)	B (m)	BI (m)	Avg B (m)	D (m)	QTY	REMARKS	Rate	Amount	
	vide premeasurement page no							4101.95				
	Qty Payable in this bill							**4101.95**	**Cum**	**131.87**	**540924.67**	

Item No:	2											
	KSRB 2-2.1 : Earthwork excavation by manual means for foundation of buildings, culverts, water supply and sanitary lines and electrical conduits etc, either in pits or in trenches 1.5m and above in width, in ordinary soil not exceeding 1.5 m. in depth including dressing the bottom and sides of pits and trenches, stacking the excavated soil clear from edges of excavation with lead upto 50 m. including breaking of clods											
SLNO	CHAINAGE Land Mark	NO	L (m)	B (m)	BI (m)	Avg B (m)	D (m)	QTY	REMARKS	Rate	Amount	
	vide premeasurement page no							4750.57				
	Qty Payable in this bill							**4750.57**	**Cum**	**419.02**	**1990582.01**	
Item No:	3											
	KSRB 4-1.7 : Providing and laying in position plain cement concrete of Mix 1:3:6 with OPC @ 220kgs, with 20mm and down size graded granite metal coarse aggregates @0.69 cum and fine aggregtes @ 0.56cum, machine mixed, concrete laid in layers not exceeding 15 cms. thick, well compacted, in foundation, plinth and cills, including cost of all materials, labour, HOM curing complete as per specifications. Specification No.											
SLNO	CHAINAGE Land Mark	NO	L (m)	B (m)	BI (m)	Avg B (m)	D (m)	QTY	REMARKS	Rate	Amount	
	vide premeasurement page no							796.82				
	Qty Payable in this bill							**796.82**	**Cum**	**5908.92**	**4708360.41**	

Contractor Representative

Asst Engineer

Consultant Representative

Asst Executive Engineer

BRUHAT BANGALORE MAHANAGARA PALIKE

Name of Work: Improvements to roads, drains and other developmental works in Ward No- 01 &02 Under SWM head in Chief Minister Nava Nagarothana grants of Yelahanka division.(Package -07)

Measurement Sheet

First and Part Bill

Item No: 4

Providing and laying plain/reinforced cement concrete for side drains using **M20 nominal mix concrete** with OPC at 300 kgs. with 20mm and down size granite metal coarse aggregates at 0.69 cum and fine aggregates at 0.43 cum machine mixed, well compacted for walls and bottom including centering, shuttering, cost of materials, HOM of machinery, curing etc., complete excluding cost of steel as per MORTH specification No. 1500, 1700, 2200. including cost of materials, labour, HOM complete as per specifications. Page No.270. Item No.37.59.1

Measurement recorded on: 21-06-20, 06-07-20, 10-07-20, 17-07-20

SLNO	CHAINAGE Land Mark		NO	L (m)	B (m)	BI (m)	Avg B (m)	D (m)	QTY	REMARKS	Rate	Amount
	Komaladevi Enclave 1st cross road LHS (For bed concrete)											
	0.00	30.00	1	30.00	0.90	0.90	0.90	0.15	4.05			
	30.00	34.90	1	4.90	0.90	0.90	0.90	0.15	0.66			
	34.90	59.40	1	24.50	0.90	0.90	0.90	0.15	3.31			
	59.40	85.10	1	25.70	0.90	0.90	0.90	0.15	3.47			
	85.10	89.40	1	4.30	0.90	0.90	0.90	0.15	0.58			
	89.40	109.40	1	20.00	0.90	0.90	0.90	0.15	2.70			
	109.40	119.40	1	10.00	0.90	0.90	0.90	0.15	1.35			
	119.40	139.90	1	20.50	0.90	0.90	0.90	0.15	2.77			
	139.90	151.60	1	11.70	0.90	0.90	0.90	0.15	1.58			
	151.60	163.60	1	12.00	0.90	0.90	0.90	0.15	1.62			
	163.60	193.60	1	30.00	0.90	0.90	0.90	0.15	4.05			
	193.60	223.60	1	30.00	0.90	0.90	0.90	0.15	4.05			
	223.60	239.30	1	15.70	0.90	0.90	0.90	0.15	2.12			
	239.30	241.30	1	2.00	0.90	0.90	0.90	0.15	0.27			
	Komaladevi Enclave 1st cross road RHS (For bed concrete)											
	0.00	8.80	1	8.80	0.90	0.90	0.90	0.15	1.19			
	8.80	38.80	1	30.00	0.90	0.90	0.90	0.15	4.05			
	38.80	53.80	1	15.00	0.90	0.90	0.90	0.15	2.03			
	53.80	63.50	1	9.70	0.90	0.90	0.90	0.15	1.31			
	63.50	68.80	1	5.30	0.90	0.90	0.90	0.15	0.72			
	68.80	87.60	1	18.80	0.90	0.90	0.90	0.15	2.54			
	87.60	117.60	1	30.00	0.90	0.90	0.90	0.15	4.05			
	117.60	147.60	1	30.00	0.90	0.90	0.90	0.15	4.05			
	147.60	177.60	1	30.00	0.90	0.90	0.90	0.15	4.05			
	177.60	207.60	1	30.00	0.90	0.90	0.90	0.15	4.05			
	207.60	237.60	1	30.00	0.90	0.90	0.90	0.15	4.05			
	237.60	262.20	1	24.60	0.90	0.90	0.90	0.15	3.32			
	Komaladevi Enclave 2nd cross road LHS (For bed concrete)											

SLNO	CHAINAGE Land Mark		NO	L (m)	B (m)	B1 (m)	Avg B (m)	D (m)	QTY	REMARKS	Rate	Amount
	0.00	30.00	1	30.00	0.90	0.90	0.90	0.16	4.05			
	30.00	60.00	1	30.00	0.90	0.90	0.90	0.15	4.05			
	60.00	90.00	1	30.00	0.90	0.90	0.90	0.15	4.05			
	90.00	120.00	1	30.00	0.90	0.90	0.90	0.15	4.05			
	120.00	128.50	1	8.50	0.90	0.90	0.90	0.15	1.15			
	128.50	158.50	1	30.00	0.90	0.90	0.90	0.15	4.05			
	158.50	188.50	1	30.00	0.90	0.90	0.90	0.15	4.05			
	188.50	218.50	1	30.00	0.90	0.90	0.90	0.15	4.05			
	218.50	222.10	1	3.60	0.90	0.90	0.90	0.15	0.49			
	222.10	233.80	1	11.70	0.90	0.90	0.90	0.15	1.58			
	233.80	249.80	1	16.00	0.90	0.90	0.90	0.15	2.16			
	Komaladevi Enclave 2nd cross road RHS (For bed concrete)											
	0.00	30.00	1	30.00	0.90	0.90	0.90	0.15	4.05			
	30.00	60.00	1	30.00	0.90	0.90	0.90	0.15	4.05			
	60.00	90.00	1	30.00	0.90	0.90	0.90	0.15	4.05			
	90.00	120.00	1	30.00	0.90	0.90	0.90	0.15	4.05			
	120.00	150.00	1	30.00	0.90	0.90	0.90	0.15	4.05			
	150.00	180.00	1	30.00	0.90	0.90	0.90	0.15	4.05			
	180.00	210.00	1	30.00	0.90	0.90	0.90	0.15	4.05			
	210.00	240.00	1	30.00	0.90	0.90	0.90	0.15	4.05			
	240.00	248.00	1	8.00	0.90	0.90	0.90	0.15	1.08			
	Komaladevi Enclave 1st cross road LHS (For Side wall)											
	0.00	30.00	2	30.00	0.15	0.15	0.15	0.80	7.20			
	30.00	34.90	2	4.90	0.15	0.15	0.15	0.80	1.18			
	34.90	59.40	2	24.50	0.15	0.15	0.15	0.80	5.88			
	59.40	85.10	2	25.70	0.15	0.15	0.15	0.80	6.17			
	85.10	89.40	2	4.30	0.15	0.15	0.15	0.80	1.03			
	89.40	109.40	2	20.00	0.15	0.15	0.15	0.80	4.80			
	109.40	119.40	2	10.00	0.15	0.15	0.15	0.80	2.40			
	119.40	139.90	2	20.50	0.15	0.15	0.15	0.80	4.92			
	139.90	151.60	2	11.70	0.15	0.15	0.15	0.80	2.81			
	151.60	163.60	2	12.00	0.15	0.15	0.15	0.80	2.88			
	163.60	193.60	2	30.00	0.15	0.15	0.15	0.80	7.20			
	193.60	223.60	2	30.00	0.15	0.15	0.15	0.80	7.20			
	223.60	239.30	2	15.70	0.15	0.15	0.15	0.80	3.77			
	239.30	241.30	2	2.00	0.15	0.15	0.15	0.80	0.48			
	Komaladevi Enclave 1st cross road RHS (For Side wall)											
	0.00	8.80	2	8.80	0.15	0.15	0.15	0.80	2.11			

SLNO	CHAINAGE		NO	L	B	B1	Avg B	D	QTY	REMARKS	Rate	Amount
	Land Mark			(m)	(m)	(m)	(m)	(m)				
	8.80	38.80	2	30.00	0.15	0.15	0.15	0.80	7.20			
	38.80	53.80	2	15.00	0.15	0.15	0.15	0.80	3.60			
	53.80	63.50	2	9.70	0.15	0.15	0.15	0.80	2.33			
	63.50	68.80	2	5.30	0.15	0.15	0.15	0.80	1.27			
	68.80	87.60	2	18.80	0.15	0.15	0.15	0.80	4.51			
	87.60	117.60	2	30.00	0.15	0.15	0.15	0.80	7.20			
	117.60	147.60	2	30.00	0.15	0.15	0.15	0.80	7.20			
	147.60	177.60	2	30.00	0.15	0.15	0.15	0.80	7.20			
	177.60	207.60	2	30.00	0.15	0.15	0.15	0.80	7.20			
	207.60	237.60	2	30.00	0.15	0.15	0.15	0.80	7.20			
	237.60	262.20	2	24.60	0.15	0.15	0.15	0.80	5.90			
	Komaladevi Enclave 2nd cross road LHS (For Side wall)											
	0.00	30.00	2	30.00	0.15	0.15	0.15	0.80	7.20			
	30.00	60.00	2	30.00	0.15	0.15	0.15	0.80	7.20			
	60.00	90.00	2	30.00	0.15	0.15	0.15	0.80	7.20			
	90.00	120.00	2	30.00	0.15	0.15	0.15	0.80	7.20			
	120.00	128.50	2	8.50	0.15	0.15	0.15	0.80	2.04			
	128.50	158.50	2	30.00	0.15	0.15	0.15	0.80	7.20			
	158.50	188.50	2	30.00	0.15	0.15	0.15	0.80	7.20			
	188.50	218.50	2	30.00	0.15	0.15	0.15	0.80	7.20			
	218.50	222.10	2	3.60	0.15	0.15	0.15	0.80	0.86			
	222.10	233.80	2	11.70	0.15	0.15	0.15	0.80	2.81			
	233.80	249.80	2	16.00	0.15	0.15	0.15	0.80	3.84			
	Komaladevi Enclave 2nd cross road RHS (For Side wall)											
	0.00	30.00	2	30.00	0.15	0.15	0.15	0.80	7.20			
	30.00	60.00	2	30.00	0.15	0.15	0.15	0.80	7.20			
	60.00	90.00	2	30.00	0.15	0.15	0.15	0.80	7.20			
	90.00	120.00	2	30.00	0.15	0.15	0.15	0.80	7.20			
	120.00	150.00	2	30.00	0.15	0.15	0.15	0.80	7.20			
	150.00	180.00	2	30.00	0.15	0.15	0.15	0.80	7.20			
	180.00	210.00	2	30.00	0.15	0.15	0.15	0.80	7.20			
	210.00	240.00	2	30.00	0.15	0.15	0.15	0.80	7.20			
	240.00	248.00	2	8.00	0.15	0.15	0.15	0.80	1.92			
	Udayanagar Main road New Culverts (Bottom Raft)											
			1	4.00	1.20	1.20	1.20	0.20	0.96			
			1	4.00	1.20	1.20	1.20	0.20	0.96			
			1	4.00	1.20	1.20	1.20	0.20	0.96			
			1	4.00	1.20	1.20	1.20	0.20	0.96			
			1	8.00	1.20	1.20	1.20	0.20	1.92			

SLNO	CHAINAGE		NO	L	B	B1	Avg B	D	QTY	REMARKS	Rate	Amount
	Land Mark			(m)	(m)	(m)	(m)	(m)				
	Udayanagar Main road New Culverts (Side wall)											
			2	4.00	0.23	0.23	0.23	0.60	1.10			
			2	4.00	0.23	0.23	0.23	0.60	1.10			
			2	4.00	0.23	0.23	0.23	0.60	1.10			
			2	4.00	0.23	0.23	0.23	0.60	1.10			
			2	8.00	0.23	0.23	0.23	0.60	2.21			
	Coping Drain Udayanagar Cross road 1 RHS											
	0.00	25.50	2	25.50	0.15	0.15	0.15	0.10	0.77			
	Coping Drain Udayanagar Cross road 5 LHS											
	0.00	26.00	2	26.00	0.15	0.15	0.15	0.10	0.78			
	Coping Drain Udayanagar Cross road 6 RHS											
	0.00	30.00	2	30.00	0.15	0.15	0.15	0.10	0.90			
	30.00	37.00	2	7.00	0.15	0.15	0.15	0.10	0.21			
	Coping Drain Udayanagar Cross road 7 LHS											
	0.00	30.00	2	30.00	0.15	0.15	0.15	0.10	0.90			
	30.00	36.50	2	6.50	0.15	0.15	0.15	0.10	0.20			
	Coping Drain Udayanagar Cross road 8 LHS											
	0.00	30.00	2	30.00	0.15	0.15	0.15	0.10	0.90			
	30.00	36.50	2	6.50	0.15	0.15	0.15	0.10	0.20			
	Coping Drain Udayanagar Cross road 9 RHS											
	0.00	30.00	2	30.00	0.15	0.15	0.15	0.10	0.90			
	30.00	35.00	2	5.00	0.15	0.15	0.15	0.10	0.15			
	Coping Drain Udayanagar Cross road 10 RHS											
	0.00	30.00	2	30.00	0.15	0.15	0.15	0.10	0.90			
	30.00	35.00	2	5.00	0.15	0.15	0.15	0.10	0.15			
	Coping Drain Udayanagar Main Road RHS											
	0.00	28.50	2	28.50	0.15	0.15	0.15	0.10	0.86			
	28.50	45.20	2	16.70	0.15	0.15	0.15	0.10	0.50			
	45.20	57.20	2	12.00	0.15	0.15	0.15	0.10	0.36			
	57.20	69.70	2	12.50	0.15	0.15	0.15	0.10	0.38			
	69.70	94.10	2	24.40	0.15	0.15	0.15	0.10	0.73			
	GKVK Layout 1st cross road LHS (For bed Concrete)											
	0.00	27.80	1	27.80	0.90	0.90	0.90	0.15	3.75			
	27.80	36.10	1	8.30	0.90	0.90	0.90	0.15	1.12			
	36.10	66.10	1	30.00	0.90	0.90	0.90	0.15	4.05			
	66.10	96.10	1	30.00	0.90	0.90	0.90	0.15	4.05			
	96.10	101.20	1	5.10	0.90	0.90	0.90	0.15	0.69			
	GKVK Layout 1st cross road RHS											
	0.00	30.00	1	30.00	0.90	0.90	0.90	0.15	4.05			
	30.00	60.00	1	30.00	0.90	0.90	0.90	0.15	4.05			

C&E on 14/07/2020

SLNO	CHAINAGE		NO	L	B	BI	Avg B	D	QTY	REMARKS	Rate	Amount
	Land Mark			(m)	(m)	(m)	(m)	(m)				
	60.00	90.00	1	30.00	0.90	0.90	0.90	0.15	4.05			
	90.00	102.50	1	12.50	0.90	0.90	0.90	0.15	1.69			
	GKVK Layout 1st A cross road LHS											
	0.00	27.50	1	27.50	0.90	0.90	0.90	0.15	3.71			
	GKVK Layout 1st A cross road RHS											
	0.00	27.50	1	27.50	0.90	0.90	0.90	0.15	3.71			
	GKVK Layout 2nd cross road LHS											
	0.00	30.00	1	30.00	0.90	0.90	0.90	0.15	4.05			
	30.00	60.00	1	30.00	0.90	0.90	0.90	0.15	4.05			
	60.00	90.00	1	30.00	0.90	0.90	0.90	0.15	4.05			
	90.00	100.30	1	10.30	0.90	0.90	0.90	0.15	1.39			
	GKVK Layout 2nd cross road RHS											
	0.00	18.40	1	18.40	0.90	0.90	0.90	0.15	2.48			
	18.40	48.40	1	30.00	0.90	0.90	0.90	0.15	4.05			
	48.40	54.70	1	6.30	0.90	0.90	0.90	0.15	0.85			
	54.70	63.70	1	9.00	0.90	0.90	0.90	0.15	1.22			
	63.70	93.70	1	30.00	0.90	0.90	0.90	0.15	4.05			
	93.70	100.40	1	6.70	0.90	0.90	0.90	0.15	0.90			
	GKVK Layout 2nd A cross road LHS											
	0.00	9.20	1	9.20	0.90	0.90	0.90	0.15	1.24			
	9.20	18.40	1	9.20	0.90	0.90	0.90	0.15	1.24			
	18.40	29.60	1	11.20	0.90	0.90	0.90	0.15	1.51			
	GKVK Layout 2nd A cross road RHS											
	0.00	30.20	1	30.20	0.90	0.90	0.90	0.15	4.08			
	GKVK Layout 3rd cross road RHS											
	0.00	8.60	1	8.60	0.90	0.90	0.90	0.15	1.16			
	8.60	38.60	1	30.00	0.90	0.90	0.90	0.15	4.05			
	38.60	68.60	1	30.00	0.90	0.90	0.90	0.15	4.05			
	68.60	97.60	1	29.00	0.90	0.90	0.90	0.15	3.92			
	97.65	100.45	1	2.80	0.90	0.90	0.90	0.15	0.38			
	GKVK Layout 3rd cross road LHS											
	0.00	26.20	1	26.20	0.90	0.90	0.90	0.15	3.54			
	26.20	56.20	1	30.00	0.90	0.90	0.90	0.15	4.05			
	56.20	86.20	1	30.00	0.90	0.90	0.90	0.15	4.05			
	86.20	89.20	1	3.00	0.90	0.90	0.90	0.15	0.41			
	GKVK Layout Aravind appartrment Road LHS											
	0.00	30.00	1	30.00	0.90	0.90	0.90	0.15	4.05			

SLNO	CHAINAGE Land Mark		NO	L (m)	B (m)	B1 (m)	Avg B (m)	D (m)	QTY	REMARKS	Rate	Amount
	30.00	60.00	1	30.00	0.90	0.90	0.90	0.15	4.05			
	60.00	90.00	1	30.00	0.90	0.90	0.90	0.15	4.05			
	90.00	110.20	1	20.20	0.90	0.90	0.90	0.15	2.73			
	110.20	140.20	1	30.00	0.90	0.90	0.90	0.15	4.05			
	140.20	170.20	1	30.00	0.90	0.90	0.90	0.15	4.05			
	170.20	171.40	1	1.20	0.90	0.90	0.90	0.15	0.16			
	171.40	177.90	1	6.50	0.90	0.90	0.90	0.15	0.88			
	GKVK Layout Aravind appartment Road RHS											
	0.00	30.00	1	30.00	0.90	0.90	0.90	0.15	4.05			
	30.00	55.10	1	25.10	0.90	0.90	0.90	0.15	3.39			
	55.10	61.90		6.80						Culvert		
	61.90	75.40	1	13.50	0.90	0.90	0.90	0.15	1.82			
	75.40	109.40	1	34.00	0.90	0.90	0.90	0.15	4.59			
	109.40	123.00	1	13.60	0.90	0.90	0.90	0.15	1.84			
	123.00	130.00		7.00						Culvert		
	130.00	157.00	1	27.00	0.90	0.90	0.90	0.15	3.65			
	157.00	164.00		7.00						culvert		
	164.00	176.40	1	12.40	0.90	0.90	0.90	0.15	1.67			
	176.40	181.40	1	5.00	0.90	0.90	0.90	0.15	0.68			
	GKVK Layout 1st cross road LHS (For Side Wall)											
	0.00	27.80	2	27.80	0.15	0.15	0.15	0.70	5.84			
	27.80	36.10	2	8.30	0.15	0.15	0.15	0.70	1.74			
	36.10	66.10	2	30.00	0.15	0.15	0.15	0.70	6.30			
	66.10	96.10	2	30.00	0.15	0.15	0.15	0.70	6.30			
	96.10	101.20	2	5.10	0.15	0.15	0.15	0.70	1.07			
	GKVK Layout 1st cross road RHS											
	0.00	30.00	2	30.00	0.15	0.15	0.15	0.70	6.30			
	30.00	60.00	2	30.00	0.15	0.15	0.15	0.70	6.30			
	60.00	90.00	2	30.00	0.15	0.15	0.15	0.70	6.30			
	90.00	102.50	2	12.50	0.15	0.15	0.15	0.70	2.63			
	GKVK Layout 1st A cross road LHS											
	0.00	27.50	2	27.50	0.15	0.15	0.15	0.70	5.78			
	GKVK Layout 1st A cross road RHS											
	0.00	27.50	2	27.50	0.15	0.15	0.15	0.70	5.78			
	GKVK Layout 2nd cross road LHS											
	0.00	30.00	2	30.00	0.15	0.15	0.15	0.70	6.30			
	30.00	60.00	2	30.00	0.15	0.15	0.15	0.70	6.30			
	60.00	90.00	2	30.00	0.15	0.15	0.15	0.70	6.30			

C&FC 09/7/07/2015

SLNO	CHAINAGE		NO	L	B	B1	Avg B	D	QTY	REMARKS	Rate	Amount
	Land Mark			(m)	(m)	(m)	(m)	(m)				
	90.00	100.30	2	10.30	0.15	0.15	0.15	0.70	2.16			
	GKVK Layout 2nd cross road RHS											
	0.00	18.40	2	18.40	0.15	0.15	0.15	0.70	3.86			
	18.40	48.40	2	30.00	0.15	0.15	0.15	0.70	6.30			
	48.40	54.70	2	6.30	0.15	0.15	0.15	0.70	1.32			
	54.70	63.70	2	9.00	0.15	0.15	0.15	0.70	1.89			
	63.70	93.70	2	30.00	0.15	0.15	0.15	0.70	6.30			
	93.70	100.40	2	6.70	0.15	0.15	0.15	0.70	1.41			
	GKVK Layout 2nd A cross road LHS											
	0.00	9.20	2	9.20	0.15	0.15	0.15	0.70	1.93			
	9.20	18.40	2	9.20	0.15	0.15	0.15	0.70	1.93			
	18.40	29.60	2	11.20	0.15	0.15	0.15	0.70	2.35			
	GKVK Layout 2nd A cross road RHS											
	0.00	30.20	2	30.20	0.15	0.15	0.15	0.70	6.34			
	GKVK Layout 3rd cross road RHS											
	0.00	8.60	2	8.60	0.15	0.15	0.15	0.70	1.81			
	8.60	38.60	2	30.00	0.15	0.15	0.15	0.70	6.30			
	38.60	68.60	2	30.00	0.15	0.15	0.15	0.70	6.30			
	68.60	97.60	2	29.00	0.15	0.15	0.15	0.70	6.09			
	97.65	100.45	2	2.80	0.15	0.15	0.15	0.70	0.59			
	GKVK Layout 3rd cross road LHS											
	0.00	26.20	2	26.20	0.15	0.15	0.15	0.70	5.50			
	26.20	56.20	2	30.00	0.15	0.15	0.15	0.70	6.30			
	56.20	86.20	2	30.00	0.15	0.15	0.15	0.70	6.30			
	86.20	89.20	2	3.00	0.15	0.15	0.15	0.70	0.63			
	GKVK Layout Aravind appartrment Road LHS											
	0.00	30.00	2	30.00	0.15	0.15	0.15	0.70	6.30			
	30.00	60.00	2	30.00	0.15	0.15	0.15	0.70	6.30			
	60.00	90.00	2	30.00	0.15	0.15	0.15	0.70	6.30			
	90.00	110.20	2	20.20	0.15	0.15	0.15	0.70	4.24			
	110.20	140.20	2	30.00	0.15	0.15	0.15	0.70	6.30			
	140.20	170.20	2	30.00	0.15	0.15	0.15	0.70	6.30			
	170.20	171.40	2	1.20	0.15	0.15	0.15	0.70	0.25			
	171.40	177.90	2	6.50	0.15	0.15	0.15	0.70	1.37			
	GKVK Layout Aravind appartrment Road RHS											
	0.00	30.00	2	30.00	0.15	0.15	0.15	0.70	6.30			
	30.00	55.10	2	25.10	0.15	0.15	0.15	0.70	5.27			
	55.10	61.90		6.80						Culvert		

C&FC on 14/04/2020 Rly

SLNO	CHAINAGE		NO	L	B	B1	Avg B	D	QTY	REMARKS	Rate	Amount
	Land Mark			(m)	(m)	(m)	(m)	(m)				
	61.90	75.40	2	13.50	0.15	0.15	0.15	0.70	2.84			
	75.40	109.40	2	34.00	0.15	0.15	0.15	0.70	7.14			
	109.40	123.00	2	13.60	0.15	0.15	0.15	0.70	2.86			
	123.00	130.00	2	7.00						Culvert		
	130.00	157.00	2	27.00	0.15	0.15	0.15	0.70	5.67			
	157.00	164.00	2	7.00						culvert		
	164.00	176.40	2	12.40	0.15	0.15	0.15	0.70	2.60			
	176.40	181.40	2	5.00	0.15	0.15	0.15	0.70	1.05			
	GKVK Layout New Culverts 1st cross Road LHS (bottom raft)											
	0.00	7.50	1	7.50	1.50	1.50	1.50	0.20	2.25			
	GKVK Layout New Culverts 1st cross Road RHS											
	0.00	7.50	1	7.50	1.50	1.50	1.50	0.20	2.25			
	GKVK Layout New Culverts 1st cross Road RHS											
	0.00	7.70	1	7.70	1.50	1.50	1.50	0.20	2.31			
	GKVK Layout New Culverts 2nd cross Road RHS											
	0.00	7.70	1	7.70	1.20	1.20	1.20	0.20	1.85			
	GKVK Layout New Culverts 3rd cross Road RHS											
	0.00	10.70	1	10.70	1.20	1.20	1.20	0.20	2.57			
	GKVK Layout New Culverts Main Road											
	0.00	15.70	1	15.70	1.50	1.50	1.50	0.20	4.71			
	GKVK Layout New Culverts 1st cross Road LHS (Side wall)											
	0.00	7.50	2	7.50	0.23	0.23	0.23	0.50	1.73			
	GKVK Layout New Culverts 1st cross Road RHS											
	0.00	7.50	2	7.50	0.23	0.23	0.23	0.50	1.73			
	GKVK Layout New Culverts 2nd cross Road LHS											
	0.00	7.70	2	7.70	0.23	0.23	0.23	0.45	1.59			
	GKVK Layout New Culverts 2nd cross Road RHS											
	0.00	7.70	2	7.70	0.23	0.23	0.23	0.45	1.59			
	GKVK Layout New Culverts 3rd cross Road RHS											
	0.00	10.70	2	10.70	0.23	0.23	0.23	0.45	2.21			
	GKVK Layout New Culverts Main Road											
	0.00	15.70	2	15.70	0.30	0.30	0.30	1.20	11.30			
	Lake View 1st Main Road From 1st cross road RHS											
	0.00	30.00	1	30.00	0.90	0.90	0.90	0.15	4.05			
	30.00	60.00	1	30.00	0.90	0.90	0.90	0.15	4.05			
	60.00	90.00	1	30.00	0.90	0.90	0.90	0.15	4.05			
	90.00	120.00	1	30.00	0.90	0.90	0.90	0.15	4.05			
	120.00	135.30	1	15.30	0.90	0.90	0.90	0.15	2.07			
	Lake View 1st Main Road From 1st cross road LHS											

C & FC Don't 14/07/2020 Deputy

SLNO	CHAINAGE		NO	L	B	B1	Avg B	D	QTY	REMARKS	Rate	Amount
	Land Mark			(m)	(m)	(m)	(m)	(m)				
	0.00	30.00	1	30.00	0.90	0.90	0.90	0.15	4.05			
	30.00	48.20	1	18.20	0.90	0.90	0.90	0.15	2.46			
	48.20	60.80	1	12.60	0.90	0.90	0.90	0.15	1.70			
	60.80	85.20	1	24.40	0.90	0.90	0.90	0.15	3.29			
	85.20	88.80	1	3.60	0.90	0.90	0.90	0.15	0.49			
	88.80	118.80	1	30.00	0.90	0.90	0.90	0.15	4.05			
	118.80	134.40	1	15.60	0.90	0.90	0.90	0.15	2.11			
	Lake View 2nd cross road from 1st Main Road RHS											
	0.00	30.00	1	30.00	0.90	0.90	0.90	0.15	4.05			
	30.00	38.00	1	8.00	0.90	0.90	0.90	0.15	1.08			
	Lake View 2nd cross road from 1st Main Road LHS											
	0.00	30.00	1	30.00	0.90	0.90	0.90	0.15	4.05			
	30.00	43.40	1	13.40	0.90	0.90	0.90	0.15	1.81			
	43.40	51.40	1	8.00						Culvert		
	51.40	81.40	1	30.00	0.90	0.90	0.90	0.15	4.05			
	81.40	89.00	1	7.60	0.90	0.90	0.90	0.15	1.03			
	89.00	96.40	1	7.40						Culvert		
	96.40	126.40	1	30.00	0.90	0.90	0.90	0.15	4.05			
	126.40	134.40	1	8.00	0.90	0.90	0.90	0.15	1.08			
	Lake View 2nd Main Road From 1st cross road LHS											
	0.00	30.00	1	30.00	0.90	0.90	0.90	0.15	4.05			
	30.00	60.00	1	30.00	0.90	0.90	0.90	0.15	4.05			
	60.00	90.00	1	30.00	0.90	0.90	0.90	0.15	4.05			
	90.00	120.00	1	30.00	0.90	0.90	0.90	0.15	4.05			
	120.00	136.60	1	16.60	0.90	0.90	0.90	0.15	2.24			
	Lake View 3rd Main Road from 2nd cross road LHS											
	0.00	30.00	1	30.00	0.90	0.90	0.90	0.15	4.05			
	30.00	60.00	1	30.00	0.90	0.90	0.90	0.15	4.05			
	60.00	90.00	1	30.00	0.90	0.90	0.90	0.15	4.05			
	90.00	120.00	1	30.00	0.90	0.90	0.90	0.15	4.05			
	120.00	122.60	1	2.60	0.90	0.90	0.90	0.15	0.35			
	Lake View 3rd Main Road from 2nd cross road RHS											
	0.00	30.00	1	30.00	0.90	0.90	0.90	0.15	4.05			
	30.00	60.00	1	30.00	0.90	0.90	0.90	0.15	4.05			
	60.00	90.00	1	30.00	0.90	0.90	0.90	0.15	4.05			
	90.00	120.00	1	30.00	0.90	0.90	0.90	0.15	4.05			
	120.00	122.60	1	2.60	0.90	0.90	0.90	0.15	0.35			
	Lake View 3rd Main Road from 3rd main road RHS											
	0.00	30.00	1	30.00	0.90	0.90	0.90	0.15	4.05			
	30.00	37.00	1	7.00	0.90	0.90	0.90	0.15	0.95			

CAFE on 12/07/2010 Rupees

SLNO	CHAINAGE		NO	L	B	B1	Avg B	D	QTY	REMARKS	Rate	Amount
	Land Mark			(m)	(m)	(m)	(m)	(m)				
			2	5.60	0.23	0.23	0.23	0.50	1.29			
	Lake View 1st A Main Road											
			2	5.20	0.23	0.23	0.23	0.50	1.20			
	Lake View 2nd Main Road											
			2	6.70	0.23	0.23	0.23	0.50	1.54			
			2	7.50	0.23	0.23	0.23	0.50	1.73			
	Lake View 2nd Cross Road											
			2	5.60	0.23	0.23	0.23	0.50	1.29			
	Lake View 3rd Main Road											
			2	6.70	0.23	0.23	0.23	0.80	1.85			
			2	7.50	0.23	0.23	0.23	0.50	1.73			
			2	7.40	0.23	0.23	0.23	0.50	1.70			
	Lake View 4th Main Road											
			2	9.60	0.23	0.23	0.23	0.80	3.31			
			2	7.40	0.23	0.23	0.23	0.50	1.70			
	Lake View 6th Main Road											
			2	7.50	0.23	0.23	0.23	0.50	1.73			
	Govt Hospital road From Sai Traders to end (Bottom Raft)											
	0.00	30.00	1	30.00	1.20	1.20	1.20	0.15	5.40			
	30.00	59.50	1	29.50	1.20	1.20	1.20	0.15	5.31			
	59.50	63.50	1	4.00	1.50	1.50	1.50	0.20	1.20	New Culvert		
	63.50	79.60	1	16.10	1.20	1.20	1.20	0.15	2.90			
	79.60	82.60	1	3.00	1.50	1.50	1.50	0.20	0.90	New Culvert		
	82.60	107.60	1	25.00	1.20	1.20	1.20	0.15	4.50			
	107.60	111.80	1	4.20	1.50	1.50	1.50	0.20	1.26	New Culvert		
	111.80	138.80	1	27.00	1.20	1.20	1.20	0.15	4.86			
	138.80	142.40	1	3.60	1.50	1.50	1.50	0.20	1.08	New Culvert		
	142.40	159.40	1	17.00	1.20	1.20	1.20	0.15	3.06			
	159.40	170.20	1	10.80						old Deck Culvert		
	170.20	191.30	1	21.10	1.20	1.20	1.20	0.15	3.80			
	191.30	217.40	1	26.10	1.20	1.20	1.20	0.15	4.70			
	217.40	222.00	1	5.00						old Deck Culvert		
	222.00	252.00	1	30.00	1.20	1.20	1.20	0.15	5.40			
	252.00	277.00	1	25.00	1.20	1.20	1.20	0.15	4.50			
	Lake View 1st A Main Road From 1st cross road LHS											
	0.00	19.50	1	19.50	0.90	0.90	0.90	0.15	2.63			
	Lake View 1st A Main Road From 1st cross road RHS											
	0.00	30.00	1	30.00	0.90	0.90	0.90	0.15	4.05			
	Lake View 1st Cross Road RHS											
	0.00	18.40	1	18.40	0.90	0.90	0.90	0.15	2.48			
	18.40	24.00	1	5.60						Cross Road		
	24.00	54.00	1	30.00	0.90	0.90	0.90	0.15	4.05			

SLNO	CHAINAGE Land Mark		NO	L (m)	B (m)	B1 (m)	Avg B (m)	D (m)	QTY	REMARKS	Rate	Amount
	105.40	109.40	1	4.00	0.90				3.60			
	109.40	123.00	1	13.60	1.20				16.32			
	130.00	157.00	1	27.00	0.90				24.30			
	164.00	176.40	1	12.40	0.90				11.16			
	176.40	181.40	1	5.00	0.90				4.50			
	Lake View 1st Main Road From 1st cross road RHS											
	0.00	30.00	1	30.00	0.90				27.00			
	30.00	60.00	1	30.00	0.90				27.00			
	60.00	90.00	1	30.00	0.90				27.00			
	90.00	120.00	1	30.00	0.90				27.00			
	120.00	135.30	1	15.30	0.90				13.77			
	Lake View 1st Main Road From 1st cross road LHS											
	0.00	30.00	1	30.00	0.90				27.00			
	30.00	48.20	1	18.20	0.90				16.38			
	48.20	60.80	1	12.60	0.90				11.34			
	60.80	85.20	1	24.40	0.90				21.96			
	85.20	88.80	1	3.60	0.90				3.24			
	88.80	118.80	1	30.00	0.90				27.00			
	118.80	134.40	1	15.60	0.90				14.04			
	Lake View 2nd cross road from 1st Main Road RHS											
	0.00	30.00	1	30.00	0.90				27.00			
	30.00	38.00	1	8.00	0.90				7.20			
	Lake View 2nd cross road from 1st Main Road LHS											
	0.00	30.00	1	30.00	0.90				27.00			
	30.00	43.40	1	13.40	0.90				12.06			
	43.40	51.40	1	8.00						Culvert		
	51.40	81.40	1	30.00	0.90				27.00			
	81.40	89.00	1	7.60	0.90				6.84			
	89.00	96.40	1	7.40						Culvert		
	96.40	126.40	1	30.00	0.90				27.00			
	126.40	134.40	1	8.00	0.90				7.20			
	Lake View 2nd Main Road From 1st cross road LHS											
	0.00	30.00	1	30.00	0.90				27.00			
	30.00	60.00	1	30.00	0.90				27.00			
	60.00	90.00	1	30.00	0.90				27.00			

BRUHAT BANGALORE MAHANAGARA PALIKE

Name of Work: Improvements to roads, drains and other developmental works in Ward No- 01 &02 Under SWM head in Chief Minister Nava Nagarothana grants of Yelahanka division.(Package -07)

Measurement Sheet

First and Part Bill

Item No: 8

Item Name: Providing and fixing **pre cast solid cement concrete kerb stones** made out of C.C. 1:2:4 with top and bottom width 114 and 165 mm respectively, 400mm high and 450mm in length finished with CM 1:3 plastering and finishing cutting, including form work, curing, including cost of all materials, labour, hire charges of machinery, loading, unloading, lead and lift, transportation etc., complete. Page No.27. Item No.5.30

Measurement recorded on: 07-08-20

SLNO	CHAINAGE Land Mark		NO	L (m)	B (m)	B1 (m)	Avg B (m)	D (m)	QTY	REMARKS	Rate	Amount
	Komaladevi Enclave 1st cross road LHS											
	0.00	30.00	1	30.00					30.00			
	30.00	34.90	1	4.90					4.90			
	34.90	59.40	1	24.50					24.50			
	59.40	85.10	1	25.70					25.70			
	85.10	89.40	1	4.30					4.30			
	89.40	109.40	1	20.00					20.00			
	109.40	119.40	1	10.00					10.00			
	119.40	139.90	1	20.50					20.50			
	139.90	151.60	1	11.70					11.70			
	151.60	163.60	1	12.00					12.00			
	163.60	193.60	1	30.00					30.00			
	193.60	223.60	1	30.00					30.00			
	223.60	239.30	1	15.70					15.70			
	239.30	241.30	1	2.00					2.00			
	Komaladevi Enclave 1st cross road RHS											
	0.00	8.80	1	8.80					8.80			
	8.80	38.80	1	30.00					30.00			
	38.80	53.80	1	15.00					15.00			
	53.80	63.50	1	9.70					9.70			
	63.50	68.80	1	5.30					5.30			
	68.80	87.60	1	18.80					18.80			
	87.60	117.60	1	30.00					30.00			
	117.60	147.60	1	30.00					30.00			
	147.60	177.60	1	30.00					30.00			
	177.60	207.60	1	30.00					30.00			
	207.60	237.60	1	30.00					30.00			
	237.60	262.20	1	24.60					24.60			
	Komaladevi Enclave 2nd cross road LHS											

BRUHAT BANGALORE MAHANAGARA PALIKE

Name of Work: Improvements to roads, drains and other developmental works in Ward No- 01 &02 Under SWM head in Chief Minister Nava Nagarothana grants of Yelahanka division (Package -07)

Measurement Sheet

First and Part Bill

Item No: 9

Item Name: KSRRB 800-1 **Painting two coats** after filling the surface with synthetic enamel paint in approved shades on new plastered concrete surfaces, with materials, labour complete as per specifications. MORTH Chapter 8 Page No.180 Item No.24.1

Measurement recorded on: 07-03-20

SLNO	CHAINAGE Land Mark		NO	L (m)	B (m)	B1 (m)	Avg B (m)	D (m)	QTY	REMARKS	Rate	Amount
	Komaladevi Enclave 1st cross road LHS											
	0.00	30.00	1	30.00				0.40	12.00			
	30.00	34.90	1	4.90				0.40	1.96			
	34.90	59.40	1	24.50				0.40	9.80			
	59.40	85.10	1	25.70				0.40	10.28			
	85.10	89.40	1	4.30				0.40	1.72			
	89.40	109.40	1	20.00				0.40	8.00			
	109.40	119.40	1	10.00				0.40	4.00			
	119.40	139.90	1	20.50				0.40	8.20			
	139.90	151.60	1	11.70				0.40	4.68			
	151.60	163.60	1	12.00				0.40	4.80			
	163.60	193.60	1	30.00				0.40	12.00			
	193.60	223.60	1	30.00				0.40	12.00			
	223.60	239.30	1	15.70				0.40	6.28			
	239.30	241.30	1	2.00				0.40	0.80			
	Komaladevi Enclave 1st cross road RHS											
	0.00	8.80	1	8.80				0.40	3.52			
	8.80	38.80	1	30.00				0.40	12.00			
	38.80	53.80	1	15.00				0.40	6.00			
	53.80	63.50	1	9.70				0.40	3.88			
	63.50	68.80	1	5.30				0.40	2.12			
	68.80	87.60	1	18.80				0.40	7.52			
	87.60	117.60	1	30.00				0.40	12.00			
	117.60	147.60	1	30.00				0.40	12.00			
	147.60	177.60	1	30.00				0.40	12.00			
	177.60	207.60	1	30.00				0.40	12.00			
	207.60	237.60	1	30.00				0.40	12.00			
	237.60	262.20	1	24.60				0.40	9.84			
	Komaladevi Enclave 2nd cross road LHS											
	0.00	30.00	1	30.00				0.40	12.00			
	30.00	60.00	1	30.00				0.40	12.00			
	60.00	90.00	1	30.00				0.40	12.00			

BRUHAT BANGALORE MAHANAGARA PALIKE

Name of Work: Improvements to roads, drains and other developmental works in Ward No- 01 &02 Under SWM head in Chief Minister Nava Nagarothana grants of Yelahanka division.(Package -07)

Measurement Sheet

First and Part Bill

Item No: 11

Item Name: Constructing un-reinforced, plain **cement concrete for pavements using Grade concrete M30** over a prepared base with OPC coarse aggregate at 0.69 cum, fine aggregates at 0.46 cum,Coarse and fine aggregate conforming to 18:383-2016, with Superplastizer at 3 Its conforming to IS 9103-2008 mixed in a concrete mixer of not less than 0.6 cum capacity and appropriate weigh batcher as per approved mix design, laid in approved fixed side form work (steel channel, laying and fixing of 125 micron thick polythene film, wedges, steel plates including levelling the form work as per drawing). & Spreading the concrete with shovels, rackers compacted using needle, screed and plate vibrator and finished with floaters in a continuous operation including provision of contraction, expansion, construction and longitudinal

Measurement recorded on: 31-07-20

SLNO	CHAINAGE Land Mark		NO	L (m)	B (m)	Bl (m)	Avg B (m)	D (m)	QTY	REMARKS	Rate	Amount
	Udayanagar Cross Road No 1											
	0.00	26.00	1.00	26.00	4.50	4.50	4.50	0.175	20.48			
	Udayanagar Cross Road No 2											
	0.00	27.80	1.00	27.80	3.80	4.35	4.08	0.15	16.99			
	Udayanagar Cross Road No 3											
	0.00	28.80	1.00	28.80	3.80	4.30	4.05	0.15	17.50			
	Udayanagar Cross Road No 4											
	0.00	26.60	1.00	26.60	3.00	3.40	3.20	0.15	12.77			
	Udayanagar Cross Road No 5											
	0.00	27.60	1.00	27.60	2.50	2.90	2.70	0.15	11.18			
	Udayanagar Cross Road No 6											
	0.00	30.00	1.00	30.00	3.60	2.70	3.15	0.15	14.18			
	30.00	37.30	1.00	7.30	2.70	2.70	2.70	0.15	2.96			
	Udayanagar Cross Road No 7											
	0.00	30.00	1.00	30.00	2.90	3.40	3.15	0.15	14.18			
	30.00	36.90	1.00	6.90	3.40	3.50	3.45	0.15	3.57			
	Udayanagar Cross Road No 8											
	0.00	30.00	1.00	30.00	3.50	4.00	3.75	0.15	16.88			
	30.00	36.40	1.00	6.40	4.00	4.20	4.10	0.15	3.94			
	Udayanagar Cross Road No 9											
	0.00	30.00	1.00	30.00	4.20	3.90	4.05	0.15	18.23			
	30.00	35.10	1.00	5.10	3.90	3.80	3.85	0.15	2.95			
	Udayanagar Cross Road No 10											
	0.00	30.00	1.00	30.00	3.50	3.50	3.50	0.175	18.38			
	30.00	35.00	1.00	5.00	3.50	3.50	3.50	0.175	3.06			
	Udayanagar A Main Road											
	0.00	5.00	1.00	5.00	2.40	3.40	2.90	0.175	2.54			
	5.00	30.00	1.00	25.00	3.40	4.00	3.70	0.175	16.19			

BRUHAT BANGALORE MAHANAGARA PALIKE

Name of Work: Improvements to roads, drains and other developmental works in Ward No- 01 &02 Under SWM head in Chief Minister Nava Nagarothana grants of Yelahanka division.(Package -07)

Measurement Sheet

First and Part Bill

Item No: 27

Item Name: **Fabricating**, providing and erecting in position of Hot Dip Galvanised Gate Using 72X72X4 8mm Sq GI Pipe frame with top pipe bending in heavy duty hydraulic press with sand packing and hot bending to from double arch as per drawing profile,20mm hot dip galavanised forged ornamental design in between shown in the drawing including providing hot dip galvanised forged ornamental designin between sq roads and heads at top, middle and bottom. intermediate supports of 75X12mm and 50X6mm arch bent to hot dip galvanised flats. the work is inclusive of throughing G I flat GI sq roads placing ,welding all the joints including grinding, finishing metal patty, painting two coats enamel painting. the rate is inclusive of all materials like GI Sq roads, GI forged designs etc , heavy duty hinges are made out of 75mm solid sq. block assembled with 20mm dia bearing in three places for each flop. Heavy duty locking arrangements at low places including cost of labour, painting, erecting charges using hoist pulley cranes with all lead and lift, loading, transporttion, unloading, scaffolding charges and all other incidental charges for successful completion of the work as per directions of the Engineer-in-charge of the work

Measurement recorded on: 14-08-20

SLNO	CHAINAGE Land Mark	NO	L (m)	B (m)	B1 (m)	Avg B (m)	D (m)	QTY	REMARKS	Rate	Amount
	Govt Hospital Road										
		1.00	46.00				1.50	69.00			
							Total Qty Work Done	69.00	Rmt		
							Qty Payable in this bill	68.00	Rmt	9601.20	652881.60
									Net Amount		67432591.96
									Add 12% GST		8091911.04
									Grand Total Amount		75524503.00

Contractor Representative

Asst Engineer

Consultant Representative

Asst Executive Engineer